

## SEQUENCE LISTING

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<120> COMPOSITIONS AND METHODS FOR THE THERAPY AND  
DIAGNOSIS OF BREAST CANCER

<130> 210121.491C7

<140> US  
<141> 2001-11-30

<160> 307

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 <222> 214, 276  
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 gacatgcttgc gtcttaagca tcatagcaaa ctcattttt ccaatgaaac aaggattttt 180  
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 aaaagttctg cactaggtga gaagtcacag ttaaggatg catgttctgt aaatagttac 420  
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<222> 7, 249, 258

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 aaacaagccc acagacaata catagagtac cacctgaaac gaggccctt gagctgctca 240  
 gcttcttana aaataganaa ctttcaatgg tcataataca ttttgattca aaatgttcc 300  
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<212> DNA

<213> Homo sapiens

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<222> 460

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 <213> Homo sapiens

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 <213> Homo sapiens

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<213> *Homo sapiens*

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aattatatac tccttaatac tagattgtac taagggggaa agatcattat ttaacctgt 360  
tcaatgtgct tttaatgtac gttacagctt tcacagagtt aaaaggctga aaggaatata 420  
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<211> 215  
<212> DNA  
<213> *Homo sapiens*

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<210> 25  
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<213> Homo sapiens

<400> 25

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<212> DNA

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 gcccacaggat gtgctgaggg ctcccaggga gccttaccca ggctcacgtc ctcctggtca 240  
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<210> 27

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 241

<223> n = A,T,C or G

<400> 27

ccaaactcaag agatggtacc agccaggggc aagcatgacc agagccaggg accctgtggc 60  
 tctgatcccc catttatcca ccccatgtgc ctcaggacta gagtgagcaa tcataacctta 120  
 taaatgactt ttgtgccttt ctgctccagt ctcaaaattt cctacacctg ccagttcttt 180  
 acattttcc aaggaaaagga aaacggaagc agggttcttg cctggtagct ccaggaccca 240  
 nctctgcagg cacccaaaga ccctctgtgt ccagcctt ccttgagttc tcggaacctc 300  
 ctccctaatt ctcccttcct tccccacaag g 331

<210> 28

<211> 530

<212> DNA

<213> Homo sapiens

<400> 28

ccatgaatgc ccaacaagat aatattctat accagactgt tacaggattg aagaagatt 60  
 tgtcaggagt tcagaaggc cctgcactcc tagaaaatca agtggagggaa aggacttgtt 120  
 ctgattcaga agatattgga agctctgagt gctctgacac agattctgaa gagcaggag 180

accatgcccg ccccaagaaa cacaccacgg accctgacat tgataaaaaa gaaagaaaaa 240  
 agatggtcaa ggaagcccag agagagaaaa gaaaaaaca aattcctaaa catgtgaaaa 300  
 aaagaaagga gaagacagcc aagacgaaaa aaggcaaata gaatgagaac catattatgt 360  
 acagtcatt tcctcagtgc ctttctcgc ctgaactctt aagctgcac tggaaagatgg 420  
 ctattgggt ttaaccagat tgtcatcggt gcactgtctg tgaagacgga ttcaaatagtt 480  
 ttcatgtaac tatgtaaaaa gctctaagct ctagagtcta gatccagtc 530

<210> 29  
 <211> 571  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 412  
 <223> n = A,T,C or G

<400> 29  
 ccataatatt ctgatgatca aggagcacac atatacaaaa gttattggat tactgcaatt 60  
 ctcagaggca caaaacctga catggtgtga tatagtatataatcagtcac gggggggaaa 120  
 agaacattaa gtcttaaaa aggcttagga agacataaac agtaaatctt tgttttctta 180  
 ctttccttgc gacagtgtt tatttcactt tcttcttgc aaaatgttc caaattcatt 240  
 tgctcaggat ttatttaaga taataactta aaacaactaa cagttgttta tgctatatgc 300  
 atatcatgca tgttctactg gttcaaggac aaaattaaaaa caagatctt tctgtaaagc 360  
 aaatatattt attatgcact ttcatataca cagggatttt ttgagttacca angggataaaa 420  
 ataaaaacttt tacaatgtga aattcaatgt acattttgg ctatttacat acctcaaacc 480  
 aaggaaaaaa taaaaagaaa gcatttggtt gcaactacat ttgctgagaa gtgtaaatgg 540  
 aggacattaa gcaaaacaaa tatttgata g 571

<210> 30  
 <211> 917  
 <212> DNA  
 <213> Homo sapiens

<400> 30  
 actgccagag agtatgattt gaaggagatg ggagccagatg taattcttgc ctgaaatctc 60  
 tcatttcaaa atcacttcac ataatggtgt catcattaa acacttaaca gtcaagtgc 120  
 ctgccactgt aacatctagt tggacaaaaac cacaaggagg gggaggagaa aatgccatca 180  
 ctattatgtt aacaaacatt taatttaaat gtttgcgtca ctagtaaattt tctgcagaaa 240  
 acagtttac ccgccccctt tcacagttcc aaattaatca aggatgcctt tctataatct 300  
 gatgcttagc aaattagctc atgattcaaa ttttgcctc ttgaagcaca tatacctttt 360  
 attttaaaag tccattatag agaatttggta atatataagg tatttgaattt gcagaacacc 420  
 cctctaattc tgtaatata gcaaagacaa aacagtatca tatacatcaa gatcataactt 480  
 ttaaagtaag tttaaaggc tcaattgc agatattaaa ttttatattt cttcttattt 540  
 aaaaatatta catttcaattt tgtaatattt gtaacatattt ttaagatgac cagcaagacc 600  
 tagtcaattt gaaaataccc ttgcattcca tacacaagct ataccataag taataaccca 660  
 agtatatgt gtgtaaaagt tggtaaggt cataatactg aatttttttgc caaatgtaaa 720  
 ctgctttcca agtaatcagc accatttttt actagactac attttaatca cttccttagc 780  
 tgcttacaac ctctacttag gcataaaataa aagaatctga aatttggata tttcccttc 840  
 ctgctgtgtt aacccaaaat actatgtac ttaaagatca aagagtctt ttctgtagg 900  
 ttttgggttt taaaatgtt 917

<210> 31  
 <211> 367

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 124  
 <223> n = A,T,C or G

<400> 31  
 tctttctt ctgtatttcc caaattacag ggagctatgc ccttggtatt gcacacagta 60  
 cactgaaaaa gattcacaag gttagttgaa agtcattttt gccctggta ttcaaagctc 120  
 aaanaatttt ctagcataaa gtcttattaa aaattttaat caaaatatta tttgagttt 180  
 agtttaataa aacaatacca ctatataac tctcaacaac ttcattatata aatcagtct 240  
 atgagggtt acttgctttt catatcacac tgattaagga caaaaataat tttgatgtac 300  
 atgtaccata cactgatatg caatctacac actgatgcat ttacatacat acaaccccaa 360  
 cacaatg 367

<210> 32  
 <211> 847  
 <212> DNA  
 <213> Homo sapiens

<400> 32  
 cattgtgttggg cagg atagaagcag cggctcaactt ggacttttc accagggaaa 60  
 tcagagacaa tggatgggct cttccccaga actacagggg ctctggccat cttcgtggta 120  
 agtcctggat ttccctaata atcacaaact tccctgcttc ctcccttggta aaagaatatt 180  
 atatttgcattt gcacaatctt tattataaat tctaaaagga gtgcagtggaa aatcaacact 240  
 ttgaaatgaa atcgtgaaga ttaccaattt ctttttttgc ttgtttttta tggatgtattt 300  
 tacatagaaa aataaaccag aaagaaaatga gttttaaaaa ccatttagaa ttttttttag 360  
 ttaatgaattt aagtaatctt aatcacaggt tatattttcc acaacatccc cactttctt 420  
 aaagttatgc ttttactagt ttcttaacc cacaacaag aacacaggag ccacttctat 480  
 ttccaaagat tacatgtctc tttagcatata gctaagaact ctacacgcctt gggcttgata 540  
 cctgacacgc tttaaaaagt aaaaaatcgc agaattaaaaa tcaaagcagt gtttgactct 600  
 agagaagttg ggaggattat taagtaagttttatgtt gctattatgt gccaaaagaa 660  
 aatgtcagcc ttggggatg gggggaaaga catacaacat tttaaagcca tttttttcag 720  
 aaaagtaata cttctgttga ttgagaaaatgtt cgtacatagt attatctaaa agagaaacgg 780  
 aatgttacag actgtttaaa acctggatgt tacagactaa cttactccctt aactgtgttc 840  
 ttatagc 847

<210> 33  
 <211> 863  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 321, 563, 601, 858  
 <223> n = A,T,C or G

<400> 33  
 cattgtgttggg ctttttttattt tgagtttatg aacagaaata gaaagtatgg tgcttgggtt 60  
 ttggcccttcc ttactcctga aagttaaatc agaagacact gatttcattt tggatgtattt 120  
 agtcagaga ctattgtatct ttgtttcat taatatgaac aactattatgt aaaaaatagc 180  
 tttaacagca ttctgttga tatcttagtaa tctattctt taatgtgaaa ataagataaaa 240

atgtcctgga gctaattcta gcttaaattt gccagtattt ctgtatgtca ttaagtttt 300  
 ttcctctaag gttgtaata naattttgtt aatcttgca tacctgatgg catctatgtc 360  
 aatgctgatt gggtaattat aaattctgtg ctaattaaa acttaattt cctcttaagg 420  
 tgattgtcct ctgagtaatg attgttagtta aatgaagtt agcttgcaac tatactatca 480  
 catgggtcggt taagtaaaaa taaataaaacc aaatttgcct gagacaggct aagatcaatc 540  
 ttctcatcaa accaattttt ctntaagagc aatttcactt tcagtttag ggtggacatt 600  
 nttaatgcc tcaaattaaa cgttatctat ttaatcttcc tggaaatagtc tgtgaccaaa 660  
 aaggagggtg tgatataattt aggtgtaaat atatcacata tatgggtgta tatatttggg 720  
 atttatataat tcagctcatt ctctgtgaag aagtcttctt gactaaaatt ggttcaaga 780  
 taaaactaatt tctgttagta tttctactct gcctaccatg tatgcctttt tgtagaaac 840  
 taataaaatgt atcagtcnct agc 863

<210> 34

<211> 432

<212> DNA

<213> Homo sapiens

<400> 34

agtgcatttc ctcttgattt gtctgggtt aaaccattcc ttttgtatga aatgtttga 60  
 cttaggaatc attttatgtt ctgttctac ctggattgtc aacaactgaa agtacatatt 120  
 tcatccaaat caagctaaaaa tttttagttaag ttgattctga ggttacaggc cagtaaggct 180  
 cattattttgg aatttggagag aagggtataagg tgatcggatc tttttcattt ataaaaggc 240  
 cagtttttag gactagtaca ttcctgttat tttctgggtt ttatcattt gcctaaaata 300  
 ggatataaaaa gggacaaaaaa ataagtagac tgtttttagt tgtgaattat atttctacta 360  
 aatgtttttt tatgactgtg ttatacttga taatataat atatataat atatataatca 420  
 acttgttaaa tt 432

<210> 35

<211> 350

<212> DNA

<213> Homo sapiens

<400> 35

ccagaggggt gtttatctta gggttggaat gtttctgatt atgctgacaa tagccattag 60  
 gctgtatgttt tggggcttgg ttttaggcagt ttttaataaa aagagaactt aaaatggtgg 120  
 tttttgtcca agatgggtat gttcctgtc tcaatttagca taaacaaaag agaattctga 180  
 taccctgttg gaatgtcctc attcctctga gtttctccac tcacaggata aatgcaggag 240  
 tggcttcccc tcatggacac ctgcaaatgc agagtgtggg ggctctctg gcctgcac 300  
 actagcaaga gaaaagctg ctccgagct tttttttaga acctggcga 350

<210> 36

<211> 1082

<212> DNA

<213> Homo sapiens

<400> 36

atgaactaca gcctccactt ggccttcgtg tgtctgagtc tcttcactga gaggatgtgc 60  
 atccagggga gtcagttcaa cgtcgaggc ggcagaagtg acaagtttc cctgcctggc 120  
 tttgagaacc tcacagcagg atataacaaa tttctcaggc ccaattttgg tggagaaccc 180  
 gtacagatag cgctgactct ggacattgca agtatctta gcatttcaga gagtaacatg 240  
 gactacacag ccaccatata cctccgacag cgctggatgg accagcggct ggtgtttgaa 300  
 ggcaacaaga gcttcaactct ggatgcccgc ctctgtggat tccctctgggt gcctgatct 360  
 tacattgtgg agtccaagaa gtccttcctc catgaagtca ctgtggaaa caggctcatc 420  
 ccctcttctt ccaatggcac gtcctgtat gcctcagaa tcacgacaac tggatgt 480

aacatggatc tgtctaaata ccccatggac acacagacat gcaagttgca gctggaaagc 540  
 tggggctatg atggaaatga tgtggagtc acctggctga gagggaacga ctctgtgcgt 600  
 ggactggaac acctgcggct tgctcagtc accatagagc ggtatttcac cttagtcacc 660  
 agatcgcagc aggagacagg aaattacact agatggtct tacagttga gcttcggagg 720  
 aatgttctgt atttcatttt gnatctctc cgattcagtc cctgcaagaa cctgcattgg 780  
 ggacaacaaa ggaagtagaa gaagtca gta ttactaatat catcaacagc tccatctcca 840  
 gctttaaacg gaagatcagc tttgccagca ttgaaatttc cagcgacaac gttgactaca 900  
 gtgacttgac aatgaaaacc agcgacaagt taaagttgt cttccgagaa aagatggca 960  
 ggattgttga ttatttcaca attcaaaaacc ccagtaatgt tgatcaactat tccaaactac 1020  
 ttttccttt gattttatg ctggcaatg tattttactg ggcatactac atgtatTTT 1080  
 ga 1082

<210> 37

<211> 1135

<212> DNA

<213> Homo sapiens

<400> 37

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 atccagggga gtcagttcaa cgtcgaggc ggcagaagtg acaagcttc cctgcctggc 120  
 tttgagaacc tcacagcagg atataacaaa ttttcaggc ccaattttgg tggagaaccc 180  
 gtacagatacg cgctgactct ggacattgca agtacatctca gcatttcaga gagtaacatg 240  
 gactacacag ccaccatata cctccgacag cgctggatgg accagcgct ggtgtttgaa 300  
 ggcaacaaga gcttcactct ggatgcccgc ctcgtggagt tcctctgggt gccagatact 360  
 tacattgtgg agtccaaagaa gtccttcctc catgaagtca ctgtggaaa caggctcatc 420  
 cgccttctc ccaatggcac ggtcctgtat gccctcagaa tcacgacaac ttttgcattgt 480  
 aacatggatc tgtctaaata ccccatggac acacagacat gcaagttgca gctggaaagc 540  
 tggggctatg atggaaatga tgtggagtc acctggctga gagggaacga ctctgtgcgt 600  
 ggactggaac acctgcggct tgctcagtc accatagagc ggtatttcac cttagtcacc 660  
 agatcgcagc aggagacagg aaattacact agatggtct tacagttga gcttcggagg 720  
 aatgttctgt atttcatttt gaaacctac gttccttcca ctttcctgggt ggtgttgc 780  
 tgggttcat ttggatctc tctcgattca gtcctgcaa gaacccgcatt tggggacaac 840  
 aaaggaagta gaagaagtca gtattactaa tatcatcaac agtccatct ccagctttaa 900  
 acggaagatc agcttgcca gcattgaaat ttccagcgcac aacgttgcact acagtgcact 960  
 gacaatgaaa accagcgaca agttaaagtt tgtcttccga gaaaagatgg gcaggattgt 1020  
 tgattatttc acaattcaaa accccagtaa ttttgcattc tattccaaac tactgtttcc 1080  
 ttgttatttt atgctagcca atgtatTTT ctggcatcc tacatgtatt ttga 1135

<210> 38

<211> 1323

<212> DNA

<213> Homo sapiens

<400> 38

atgaactaca gcctccactt ggccttcgtg tgtctgagtc tcttcactga gaggatgtgc 60  
 atccagggga gtcagttcaa cgtcgaggc ggcagaagtg acaagcttc cctgcctggc 120  
 tttgagaacc tcacagcagg atataacaaa ttttcaggc ccaattttgg tggagaaccc 180  
 gtacagatacg cgctgactct ggacattgca agtacatctca gcatttcaga gagtaacatg 240  
 gactacacag ccaccatata cctccgacag cgctggatgg accagcgct ggtgtttgaa 300  
 ggcaacaaga gcttcactct ggatgcccgc ctcgtggagt tcctctgggt gccagatact 360  
 tacattgtgg agtccaaagaa gtccttcctc catgaagtca ctgtggaaa caggctcatc 420  
 cgccttctc ccaatggcac ggtcctgtat gccctcagaa tcacgacaac ttttgcattgt 480  
 aacatggatc tgtctaaata ccccatggac acacagacat gcaagttgca gctggaaagc 540  
 tggggctatg atggaaatga tgtggagtc acctggctga gagggaacga ctctgtgcgt 600

ggactggaac acctgcggct tgctcagtagc accatagac ggtatttcac cttagtcacc 660  
 agatcgacgc aggagacagg aaattacact agatggct tacagttga gcttcggagg 720  
 aatgttctgt atttcatttt gaaacctac gttcatttcca ctttcctgtt ggtttgtcc 780  
 tgggttcat tttggatctc tctcgattca gtcctgcaa gaacctgcat tggagtgacg 840  
 accgtgttat caatgaccac actgatgatc gggcccgca cttctcttcc caacaccaac 900  
 tgcttcatca aggccatcga tgtgtacctg gggatctgct ttagcttgc gttggggcc 960  
 ttgctagaat atgcagttgc tcactacagt tccttacagc agatggcagc caaagatagg 1020  
 gggacaacaa aggaagttaga agaagtcaat attactaata tcatcaacag ctccatctcc 1080  
 agctttaaac ggaagatcag ctttgccagc attgaaattt ccagcgacaa cgttgactac 1140  
 agtacttga caatgaaaac cagcgacaaag ttcaagtttgc ttcccgaga aaagatggc 1200  
 aggattgttg attatttcac aattcaaaaac cccagtaatg ttgatcaacta ttccaaacta 1260  
 ctgtttcctt tgattttat gctagccaat gtattttact gggcatacta catgtatttt 1320  
 tga 1323

<210> 39  
 <211> 440  
 <212> PRT  
 <213> Homo sapiens

<400> 39  
 Met Asn Tyr Ser Leu His Leu Ala Phe Val Cys Leu Ser Leu Phe Thr  
 1 5 10 15  
 Glu Arg Met Cys Ile Gln Gly Ser Gln Phe Asn Val Glu Val Gly Arg  
 20 25 30  
 Ser Asp Lys Leu Ser Leu Pro Gly Phe Glu Asn Leu Thr Ala Gly Tyr  
 35 40 45  
 Asn Lys Phe Leu Arg Pro Asn Phe Gly Gly Glu Pro Val Gln Ile Ala  
 50 55 60  
 Leu Thr Leu Asp Ile Ala Ser Ile Ser Ser Ile Ser Glu Ser Asn Met  
 65 70 75 80  
 Asp Tyr Thr Ala Thr Ile Tyr Leu Arg Gln Arg Trp Met Asp Gln Arg  
 85 90 95  
 Leu Val Phe Glu Gly Asn Lys Ser Phe Thr Leu Asp Ala Arg Leu Val  
 100 105 110  
 Glu Phe Leu Trp Val Pro Asp Thr Tyr Ile Val Glu Ser Lys Lys Ser  
 115 120 125  
 Phe Leu His Glu Val Thr Val Gly Asn Arg Leu Ile Arg Leu Phe Ser  
 130 135 140  
 Asn Gly Thr Val, Leu Tyr Ala Leu Arg Ile Thr Thr Thr Val Ala Cys  
 145 150 155 160  
 Asn Met Asp Leu Ser Lys Tyr Pro Met Asp Thr Gln Thr Cys Lys Leu  
 165 170 175  
 Gln Leu Glu Ser Trp Gly Tyr Asp Gly Asn Asp Val Glu Phe Thr Trp  
 180 185 190  
 Leu Arg Gly Asn Asp Ser Val Arg Gly Leu Glu His Leu Arg Leu Ala  
 195 200 205  
 Gln Tyr Thr Ile Glu Arg Tyr Phe Thr Leu Val Thr Arg Ser Gln Gln  
 210 215 220  
 Glu Thr Gly Asn Tyr Thr Arg Leu Val Leu Gln Phe Glu Leu Arg Arg  
 225 230 235 240  
 Asn Val Leu Tyr Phe Ile Leu Glu Thr Tyr Val Pro Ser Thr Phe Leu  
 245 250 255  
 Val Val Leu Ser Trp Val Ser Phe Trp Ile Ser Leu Asp Ser Val Pro  
 260 265 270

Ala Arg Thr Cys Ile Gly Val Thr Thr Val Leu Ser Met Thr Thr Leu  
 275 280 285  
 Met Ile Gly Ser Arg Thr Ser Leu Pro Asn Thr Asn Cys Phe Ile Lys  
 290 295 300  
 Ala Ile Asp Val Tyr Leu Gly Ile Cys Phe Ser Phe Val Phe Gly Ala  
 305 310 315 320  
 Leu Leu Glu Tyr Ala Val Ala His Tyr Ser Ser Leu Gln Gln Met Ala  
 325 330 335  
 Ala Lys Asp Arg Gly Thr Thr Lys Glu Val Glu Glu Val Ser Ile Thr  
 340 345 350  
 Asn Ile Ile Asn Ser Ser Ile Ser Ser Phe Lys Arg Lys Ile Ser Phe  
 355 360 365  
 Ala Ser Ile Glu Ile Ser Ser Asp Asn Val Asp Tyr Ser Asp Leu Thr  
 370 375 380  
 Met Lys Thr Ser Asp Lys Phe Lys Phe Val Phe Arg Glu Lys Met Gly  
 385 390 395 400  
 Arg Ile Val Asp Tyr Phe Thr Ile Gln Asn Pro Ser Asn Val Asp His  
 405 410 415  
 Tyr Ser Lys Leu Leu Phe Pro Leu Ile Phe Met Leu Ala Asn Val Phe  
 420 425 430  
 Tyr Trp Ala Tyr Tyr Met Tyr Phe  
 435 440

<210> 40  
 <211> 289  
 <212> PRT  
 <213> Homo sapiens

<400> 40  
 Met Asn Tyr Ser Leu His Leu Ala Phe Val Cys Leu Ser Leu Phe Thr  
 1 5 10 15  
 Glu Arg Met Cys Ile Gln Gly Ser Gln Phe Asn Val Glu Val Gly Arg  
 20 25 30  
 Ser Asp Lys Leu Ser Leu Pro Gly Phe Glu Asn Leu Thr Ala Gly Tyr  
 35 40 45  
 Asn Lys Phe Leu Arg Pro Asn Phe Gly Gly Glu Pro Val Gln Ile Ala  
 50 55 60  
 Leu Thr Leu Asp Ile Ala Ser Ile Ser Ser Ile Ser Glu Ser Asn Met  
 65 70 75 80  
 Asp Tyr Thr Ala Thr Ile Tyr Leu Arg Gln Arg Trp Met Asp Gln Arg  
 85 90 95  
 Leu Val Phe Glu Gly Asn Lys Ser Phe Thr Leu Asp Ala Arg Leu Val  
 100 105 110  
 Glu Phe Leu Trp Val Pro Asp Thr Tyr Ile Val Glu Ser Lys Lys Ser  
 115 120 125  
 Phe Leu His Glu Val Thr Val Gly Asn Arg Leu Ile Arg Leu Phe Ser  
 130 135 140  
 Asn Gly Thr Val Leu Tyr Ala Leu Arg Ile Thr Thr Thr Val Ala Cys  
 145 150 155 160  
 Asn Met Asp Leu Ser Lys Tyr Pro Met Asp Thr Gln Thr Cys Lys Leu  
 165 170 175  
 Gln Leu Glu Ser Trp Gly Tyr Asp Gly Asn Asp Val Glu Phe Thr Trp  
 180 185 190

Leu Arg Gly Asn Asp Ser Val Arg Gly Leu Glu His Leu Arg Leu Ala  
 195 200 205  
 Gln Tyr Thr Ile Glu Arg Tyr Phe Thr Leu Val Thr Arg Ser Gln Gln  
 210 215 220  
 Glu Thr Gly Asn Tyr Thr Arg Leu Val Leu Gln Phe Glu Leu Arg Arg  
 225 230 235 240  
 Asn Val Leu Tyr Phe Ile Leu Glu Thr Tyr Val Pro Ser Thr Phe Leu  
 245 250 255  
 Val Val Leu Ser Trp Val Ser Phe Trp Ile Ser Leu Asp Ser Val Pro  
 260 265 270  
 Ala Arg Thr Arg Ile Gly Asp Asn Lys Gly Ser Arg Arg Ser Gln Tyr  
 275 280 285  
 Tyr

<210> 41  
 <211> 265  
 <212> PRT  
 <213> Homo sapiens

<400> 41  
 Met Asn Tyr Ser Leu His Leu Ala Phe Val Cys Leu Ser Leu Phe Thr  
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 Glu Arg Met Cys Ile Gln Gly Ser Gln Phe Asn Val Glu Val Gly Arg  
 20 25 30  
 Ser Asp Lys Leu Ser Leu Pro Gly Phe Glu Asn Leu Thr Ala Gly Tyr  
 35 40 45  
 Asn Lys Phe Leu Arg Pro Asn Phe Gly Gly Glu Pro Val Gln Ile Ala  
 50 55 60  
 Leu Thr Leu Asp Ile Ala Ser Ile Ser Ser Ile Ser Glu Ser Asn Met  
 65 70 75 80  
 Asp Tyr Thr Ala Thr Ile Tyr Leu Arg Gln Arg Trp Met Asp Gln Arg  
 85 90 95  
 Leu Val Phe Glu Gly Asn Lys Ser Phe Thr Leu Asp Ala Arg Leu Val  
 100 105 110  
 Glu Phe Leu Trp Val Pro Asp Thr Tyr Ile Val Glu Ser Lys Lys Ser  
 115 120 125  
 Phe Leu His Glu Val Thr Val Gly Asn Arg Leu Ile Arg Leu Phe Ser  
 130 135 140  
 Asn Gly Thr Val Leu Tyr Ala Leu Arg Ile Thr Thr Thr Val Ala Cys  
 145 150 155 160  
 Asn Met Asp Leu Ser Lys Tyr Pro Met Asp Thr Gln Thr Cys Lys Leu  
 165 170 175  
 Gln Leu Glu Ser Trp Gly Tyr Asp Gly Asn Asp Val Glu Phe Thr Trp  
 180 185 190  
 Leu Arg Gly Asn Asp Ser Val Arg Gly Leu Glu His Leu Arg Leu Ala  
 195 200 205  
 Gln Tyr Thr Ile Glu Arg Tyr Phe Thr Leu Val Thr Arg Ser Gln Gln  
 210 215 220  
 Glu Thr Gly Asn Tyr Thr Arg Leu Val Leu Gln Phe Glu Leu Arg Arg  
 225 230 235 240  
 Asn Val Leu Tyr Phe Ile Leu Asp Leu Ser Arg Phe Ser Pro Cys Lys  
 245 250 255

Asn Leu His Trp Gly Gln Gln Arg Lys  
 260 265

<210> 42  
 <211> 574  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 8  
 <223> n = A,T,C or G

<400> 42

accaacanag cttagtaatt tctaaaaaga aaaaatgatc tttttccgac ttctaaacaa 60  
 gtgactatac tagcataaat cattcttcta gtaaaacagc taaggtatag acattcta 120  
 aatttggaa aacctatgtat tacaagtaaa aactcagaaa tgcaaagatg ttggttttt 180  
 gtttctcagt ctgctttagc tttaactct ggaaacgcgc gcacactgaa ctctgctcag 240  
 tgctaaacag tcaccagcag gttcctcagg gtttcagccc taaaatgtaa aacctggata 300  
 atcagtgtat gttgcaccag aatcagcatt tttttttaa ctgaaaaaaaa tgatggtctc 360  
 atctctgaat ttatatttct cattcttttgc aacataactat agctaataata ttttatgttg 420  
 ctaaaattgtct tctatcttagc atgttaaaaca aagataataat actttcgatg aaagtaaatt 480  
 ataggaaaaa aattaactgt tttaaaaaga acttgattat gttttatgtat ttcaaggcaag 540  
 tattcatttt taacttgcta cctactttta aata 574

<210> 43  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 242, 263  
 <223> n = A,T,C or G

<400> 43

tttttttttttttttttatttgcctcaattt attaaaataa acatgtatag caggtttcaa 60  
 caattgtctt gtagtttgcataaaaaagac ataagaaaaga gaaggtgtgg tttgcagcaa 120  
 tccgttagctg gtttctcacc ataccctgca gttctgtgag ccaaaggctc tgcaaaaaagt 180  
 taaaataaat cacaagact gctgtcatat attaattgca taaacaccc aacattgctc 240  
 anagtttcat ccgttgggtt aaaaaaacat tccttcaattt catctatggc attttagtgc 300  
 gcattgtcgtt ctatgaactc ttgaagaagt tctttgtattt cagtctttaga cacttggaa 360  
 ttgattgtctt tggaaatcac attctccaaat aaggggcagc cagagccctgc gtagcagtgc 420  
 tgggagaggg ccgcgcagcat gaggaccatc agcaacttca tggtag 467

<210> 44  
 <211> 613  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 494, 556

<223> n = A,T,C or G

<400> 44

ttttttttt ttttttttag ttttaaaata ttttcaactt attattatgc ttataaatatt 60  
 attccaaacag actgtattaa aggcaagtat cactaacaca gaacacgaca gggcgaagag 120  
 gcagccgggc cgattgcagg acgtggccctg tcgggccagg gtcgctgaca tgacacgctgg 180  
 tagctcatac actgctaccc tcagcacagg ctgcaggaat agggacaaga cagatgccgc 240  
 cgactctta gaagctattt aataaatatc atccaaaaac aaaatggaaa agaaacaaga 300  
 aaccctccga gcacaaccac cttaggccaa ctgaatgtaa tctagttt tcaaccaaaa 360  
 attgagagag aaggaaaata ttgaaacaaa caaacgaaag aaagcagttc ttaagactag 420  
 cagtaataa atttatacaa cagttcggtc tgtataatat gatgaaataa atctacatct 480  
 tttcttattt tggngctttg aattatacat acaaacaaca attacagggc cttgttcaca 540  
 aagcatgtag gcctanaaaa aggctctcg aaaccctcaa tggcaactgg tgaacggtaa 600  
 cactgattgc cca 613

<210> 45

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 309

<223> n = A,T,C or G

<400> 45

accagaccaa gtgaatgcga cagggaaatta tttcctgtgt tgataattca tgaagtagaa 60  
 cagtataatc aaaatcaatt gtatcatcat tagtttcca ctgcctcaca ctatgtgagct 120  
 gtgccaagta gtagtgtgac acctgtgttg tcatttccca catcacgtaa gagcttccaa 180  
 gaaaagccaa atcccagatg agtctcagag agggatcaat atgtccatga ttatcaggtt 240  
 tgctgactat ttccaagggg ttttcagtt gcttcatttg cttgtaaagc aggtaatcct 300  
 ctgttgtnt tttcttttc tcgatgagcc gtgt 334

<210> 46

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 9, 392

<223> n = A,T,C or G

<400> 46

acaattttnt taaacaagca gaatagcaact aggcaagaata aaaaattgca cagacgtatg 60  
 caattttcca agatagcatt cttaaaattc agtattcagc ttccaaagat tgggtgccca 120  
 taatagactt aaacatataa tgatggctaa aaaaataag tatacgaaaa tgaaaaaaag 180  
 gaaatgtaaag tccactctca atctcataaa aggtgagagt aaggatgcta aagcaaaata 240  
 aatgttagtt cttttttctt atttccgtt atcatgcagt ctgcttctt gatatgcctt 300  
 agggttaccc atttaagtta gaggttgtaa tgcaatggtg ggaatgaaaa ttgatcaaat 360  
 atacaccttg tcatttcatt tcaaattgcg gntggaaact tccaaaaaaaaa gggtaggcat 420  
 gaagaaaaaa 429

<210> 47

<211> 394  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 8, 42  
 <223> n = A,T,C or G

<400> 47

acgcgaant gtgttatgac tgatagcctt cagctacaaa angataggac tgacctggtt 60  
 taaaagtgttc tattttgtaa atcattccat ttgagtctt ctgtatgaact tggctatact 120  
 gaaatctgtt attttagtga ggctccaaaa tgagcaaaagc taggcctgat tagagtagag 180  
 tgactattaa aaaacataac tttcttaggag ctataaatca aagtttaaa aagatgttg 240  
 gatatatttg agtattccga tcatgaaaac agaaattgcc ctgcctacta caaggacaga 300  
 ctgatgggaa attatgcacc tggtcaactt agcttttaag cagacgatgc tgtaaaaaca 360  
 aacggcttct ctgatattta ttgttaagtt tagt 394

<210> 48

<211> 486  
 <212> DNA  
 <213> Homo sapiens

<400> 48

acaaaggaac cgaggggtga ccacctctga gatgtcctt accttgcatt agcctggggc 60  
 atattgagca tctctctcac agctgcctt cttatccccca ttcttgatgt agacctcctt 120  
 ccgagtcaac ttttctcct cctcagacac aaacagagct ttgatattct gtgcagggag 180  
 cagcttcc ttttggtgct ggcaagtgtt agttggagga agcctaaag ctcgagttgt 240  
 tccctcggtg caggggagac aaatgggcct gatagtctgg ccatattca gcttattctt 300  
 gagcttgatc agggcaacgt catagtcata aaattcagga attcctgctt ctttttccc 360  
 attaatgttg tagttgggtt gaaataggac tacttctatc tccaggtccc gcttctcccc 420  
 tcccttgatt gagtggcct tgcattccac agtgaaccaa tgtgctgctg tcagcacaaa 480  
 gtaccc 486

<210> 49

<211> 487  
 <212> DNA  
 <213> Homo sapiens

<400> 49

acgggctgac agagaagatt cccgagagta aatcatctt ccaatccaga ggaacaagca 60  
 tgtctctctg ccaagatcca tctaaactgg agtcatgtt gcaagccag ctttagagttc 120  
 ttctttcttt cttaagccct ttgctctgga ggaagttctc cagttcagc tcaactcaca 180  
 gtttctccaa gcatcaccct gggagttcc tgagggttt ctcataatg agggctgcac 240  
 attgcctgtt ctgcttcgaa gtattcaata ccgcctcagta ttttaatga agtgattcta 300  
 agatttggtt tgggatcaat aggaaagcat atgcagccaa ccaagatgca aatgtttga 360  
 aatgatatga ccaaatttt aagttaggaaa gtcacccaaa cacttctgct ttcaacttaag 420  
 tgtctggccc gcaatactgt aggaacaagc atgatctgt tactgtata ttttaatat 480  
 ccacagt 487

<210> 50

<211> 460  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 415, 459  
 <223> n = A,T,C or G

<400> 50  
 acatattttg gttgaagaca ccagactgaa gtaaacagct gtgcacccaa tttattatag 60  
 ttttgcgtt aacaatatgt aatcaaactt ctaggtgact tgagagtggaa acctcctata 120  
 tcattattta gcaccgttta tgacagtaac catttcgtt tattgtttat tataaccactt 180  
 atatcaactt attttcacc aggttaaaat tttaatttct acaaaaataac attctgaatc 240  
 aagcacactg tatgttcagt aggttgaact atgaacactg tcatcaatgt tcagttcaaa 300  
 agcctgaaag tttagatcta gaagctggta aaaatgacaa tatcaatcac attaggggaa 360  
 ccattgttgc cttcacttaa tccatttac actattgaaa ataagcacac caagntatat 420  
 gactaatata acttgcggaaat ttttataact gagggggtnng 460

<210> 51  
 <211> 529  
 <212> DNA  
 <213> Homo sapiens

<400> 51  
 acacttgaaa ccaaatttct aaaacttgc ttctttaaaa aatagttgtt gtaacattaa 60  
 accataacctt aatcaatgtg ttcactatgc ttccacacta gccagtcttc tcacacttct 120  
 tctggttca agtctcaagg cctgacagac agaagggctt ggagattttt ttctttaca 180  
 attcagtctt cagcaacttgc agagctttct tcagttgtc aagcaacaga gctgtatctg 240  
 cagggtcgta agcatacgaga cgggttgaat atcttcaggat gatatcgct ctaactgtca 300  
 gagatgggtc aacaacata atcctggga catactggcc atcaggagaa aggtgttgc 360  
 cagttgttc ataaaccaga ttgaggagaa caaactgctc tgccaatttc tggatttctt 420  
 tattttcagc aaacacttgc tttaaagctt gactgtgtgg gcactcatcc aagtgtatgaa 480  
 taaatcatca agggtttgtt gcttgcctt gatttatata gagcttctt 529

<210> 52  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<400> 52  
 actttgccaa gcagtaaagg atccaggaga tagcaactgga tgggtgtca tgcctgcaa 60  
 acatgaacgt ttcaacttca gcctggagat ctgcctcaga gaaatcttg gtgtttcgc 120  
 ttttggact caaaagtatg tccagaaaaat cccagcgctt tttctgagta gtatcttgc 180  
 tttagcttac cttaagagac tccttccgtt cctggattac tttctctgtg aactgatgaa 240  
 gttcttggtt aaatttagaa aagatttgc cttgagagct gaatttggaa accaggtcgt 300  
 tggatgttag aaaatgttc atgcgttgtt tggagatttt gctaagggtt aacactgctt 360  
 tcaggtatga gtccagggtt 379

<210> 53  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 260, 284, 285, 372, 377

<223> n = A,T,C or G

<400> 53

acttttatct taaaagggtg gtagtttcc ctaaaatact tattatgtaa gggtcattag 60  
 acaaatgtct tgaagtagac atggaattta tgaatggtc tttatcattt ctcttccccc 120  
 ttttggcat cctggcttgc ctccagttt aggtcctta gtttgcttct gtaagcaacg 180  
 ggaacacctg ctgagggggc tcttccctc atgtatactt caagtaagat caagaatctt 240  
 ttgtgaatt atagaaattn actatgtaaa tgcttgatgg aatnnttcc tgcttagtga 300  
 gcttctgaaa ggcgcttct ccatttattt aaaactaccc atgcaattaa aaggtacctt 360  
 gcccgcacca cnctaanggc 380

<210> 54

<211> 245

<212> DNA

<213> Homo sapiens

<400> 54

gcgccgcgt tcacttcttc aacttccggc ccggctcgcc cagcgcgctg cgagtgtgg 60  
 ccgaggtgca ggagggccgc gcgtggattn atccaaaaga gggatgtaaa gttcacgtgg 120  
 tcttcagcac agagcgctac aacccagagt cttaacttca ggaaggtgag ggacgtttgg 180  
 gaaaaatgttc tgctcgagtg ttttcaaga atcagaaacc cagaccaacc atcaatgtaa 240  
 cttgt 245

<210> 55

<211> 556

<212> DNA

<213> Homo sapiens

<400> 55

acagaagatg aataataatg aaaaactgtg attttttgac tatcacatac attgtgttaa 60  
 aaaacaggtt aatataatga ctattactgt taagaaagac aaggagggaaa actgtttcaa 120  
 ttttcaggtt taaatactaa gcacaaaaat ataacaaattt ctgtgtctac aataatttt 180  
 gaagtgtata caagtgcatt gcaaattgagc tctttaaaat ttaaagtcca tttcccttt 240  
 agccaagcat atgtctacat ttatgatttc tttctctt atttaaagtct ctctgggtt 300  
 agtttttaa aaagtttcat catggctgtc atcttggaaat ctgccttca gctcaaagct 360  
 gagacttcac gcatacatat ttcctttct ggttgcatt tcaccttagtt tctccaagta 420  
 ttcagagtta aatagcacaa cttctttat atgttcactt ttgtccacat gtatggcag 480  
 tgctgctgct tcagtaggct ttctcacaca ccctttcct tctttcaaca gcagtcacca 540  
 aacgttcaca acacaa 556

<210> 56

<211> 166

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 36, 37, 58, 113, 118, 131, 133, 162

<223> n = A,T,C or G

<400> 56

atggcccttg attacatcat tatgaactac tcaggnnaac atccaaata ccgacctngg 60  
 gaaagacttg gtccgagatg tgttcatcca tacaggctac ctttccaga gcncaggncc 120  
 caagagctgc ntatcacctt acctggccca ggtggacccc anaggg 166

<210> 57  
 <211> 475  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 7, 452  
 <223> n = A,T,C or G

<400> 57  
 acatccncat gttcctccaa atgacgttg gggcctgct tgccaacatt ctttattgcc 60  
 agctgttcag gtgtcatctt atcttcttct tctacagcct tattgttaatt ctggctaat 120  
 tccaaacatct ctttaccac tgattcattg cgttacaat gttcactgta gtccgtaaat 180  
 gtcaaacctt ccatccaact cttcttatgc aaatttagca acatcttctg ttccagttca 240  
 ttttccgat agttaatagt aatggagtaa taatgtctgt ttagtccatg aattaatgcc 300  
 tggatagatg gctgtttaa gtgacccaga ttcgaagttg tttgtctgg ttcatgtcct 360  
 aagaccatca tattagcatt gatcaatctg aaggcatcaa taacaacctt tcctttaca 420  
 ctctgaatgg gatccacaac cactgccaca gntctctccg ataaggcttc aaagc 475

<210> 58  
 <211> 520  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 7, 397  
 <223> n = A,T,C or G

<400> 58  
 actgttnatg tgctacttgc atttgcctt cttcctgtgc actaaagacc ccactcactt 60  
 cccttagtgtt cagcagtggc tgacctctag tcaagacctt tgcactagga tagttatgt 120  
 gaaccatggc aactgatcac aacaatgtct ttcagatcag atccattttc tcctccttgt 180  
 ttacagcaa gggatattaa ttacctatgt taccttccc tgggactatg aatgtgcaaa 240  
 attccaatgt tcatggtctc tccctttaaa cctatattct acccctttt cattatagaa 300  
 aggaatgctg gaaacccaga gtccttctct tgggactctt aatgtgtatt tctaattatc 360  
 catgactctt aatgtgcata ttttcaatttgc cctaattngat ttcaatttgc taagacattt 420  
 caaatgtcta attggggaga actgagttt ttatatcaag ctaatatcta gcttttatat 480  
 caagctaata tcttgacttc tcagcatcat agaagggggt 520

<210> 59  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 34, 120, 153, 159, 171, 179, 184, 194, 197  
 <223> n = A,T,C or G

<400> 59  
 ctggcaggaa atgcatcaaa agacttaaag gtanagcgta ttacccctcg tcacttgcaa 60

cttgcttattc gtggagatga agaattggat tctctcatca aggctacaat tgctggtggn 120  
 ggtgttattc cacacatcca caaatctctg atnggaana aaggacaaca naagactgnc 180  
 taanggatgc ctgnatncct tggaatctca tgac 214

<210> 60  
 <211> 360  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 33  
 <223> n = A,T,C or G

<400> 60  
 gcataacaaca tggcagcagg gcctcgaa ganggttagg aggaccgagc agcattctct 60  
 gtagaggaag acagggaaagg agaccctttt ggcacacatt tatggagggt tgccctgaa 120  
 gagaagggca ggtggagag gttccctttt acttaagaga aggcaccagt ggcaaagagc 180  
 acaatgaaga ggatgtatgtat aaaaacaatc acgcagataa ggacaatcat cttcacgttc 240  
 ttccaccaga atttcgagc cacttctgc gatgtcgct tgaagtgctc agatgtggct 300  
 tccagatcct ctgtttttt gcggagatgt tccaaagttt ccccccggc caggatccgc 360

<210> 61  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 2, 56, 60, 92, 135, 176, 264, 308, 323, 345, 377, 378  
 <223> n = A,T,C or G

<400> 61  
 tntggatcg tactcgatata aacagagcca ccttggttcc tgaggcaatg cataantcan 60  
 cattttcaa tgactgcttc ttttggaaag gnttggagat gactttatc cgcttgctga 120  
 ggaacacacc aatgnatca ctgttgcattt agaacatctt tacagacaac atgaantgct 180  
 ttgcgttgc tgagtcagat atatacaatg tttggctgt gcaatagttc ttcccttcca 240  
 agtttagctg ctgcatttctt tggncactat ttcctatccc aataaatgca cacggttgag 300  
 actcttgntc agaacaacca tcncgttcca tttgttcttt tttnttcttc catccactgc 360  
 ccataagata tacacannga ggtggcaaa a 391

<210> 62  
 <211> 324  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 223, 291, 302, 304, 316, 317  
 <223> n = A,T,C or G

<400> 62  
 acaattttat tttaacagat ttcaagagtc catttttaa aaaatgagca ataaagaacc 60

tctatcagt agacttctca ttttatagca aatacatttt tgcagctaa attttcttga 120  
 atccatatac gcttcgtca tttaaacaaa cttccagaga aaactggct ctatataattt 180  
 aagtaacaaa ttgcacaaa tacatattt tacatata ganctctaataaaatatta 240  
 aatttgaaaaa aatcaaatgt gaagcagaaa ctgctataca agtatattgt ntaatatact 300  
 tntnatacat taaagnnttc cggg 324

<210> 63  
 <211> 360  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 6, 7  
 <223> n = A,T,C or G

<400> 63  
 acaganncct tgaatatgtt gtggccctt cattatggcc cttcattccc ttctgtgtta 60  
 atagtaaagc atgtgccta ataactacaa ccctgaccaa atttggcct ggatctcatg 120  
 ggtcacgtgg agttttaat acgattttt atttacttgg gtaattgagc tgaatcttta 180  
 gtttcagat tacttttta aacagatagg ctcttagaac aaatttataa aaacataata 240  
 ccccatggg gggaatctg gattaactac ccactgttcc caccgggggg aactttgaa 300  
 aaattttggc catatagaat gcatgaaaaa tcaggtatga tcttatgagg actttatagt 360

<210> 64  
 <211> 491  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 403, 443, 464  
 <223> n = A,T,C or G

<400> 64  
 nctgactgtg atgtccactt gttccctgat ttttacacat catgtcaaag ataaacagctg 60  
 ttcccaccca ccagttcctc taagcacata ctctgtttt ctgtcaacat cccatttgg 120  
 gggaaaggaaa agtcatattt attcccgac cccagtttt taacttgg tcccagttgt 180  
 cccctcttc tctgggtgta agaaggaaa ttggaaaaaa attatataata tatttcctt 240  
 ttaatggtg ggggctactg gagaggagag acagaagtc caccctaact tggcacacag 300  
 cacataaccac aggttctgga attctcatct tcgaacctag agaaataggt gctataaaaca 360  
 gggaaattaag caaaatgctg gatgctatag atcttttaat tgncttaatt tttttctat 420  
 tattaaacta caggctgttag atntcttagg tctcacagaa ctntatcat tttaaactga 480  
 ctgtatatt t 491

<210> 65  
 <211> 484  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 319

<223> n = A,T,C or G

<400> 65

accagcacac cggcgccgtc ctggactgcg ccttctacga tccaaacgcat gcctggagtg 60  
 gaggactaga tcatcaattg aaaatgcacg atttgaacac tgatcaagaa aatcttggtg 120  
 ggacccatga tgccctatc agatgtgtg aatactgtcc agaagtgaat gtatggtca 180  
 ctggaaagttg ggatcagaca gctaaactgt gggatcccag aactccttgt aatgctggg 240  
 cttctctca gcctgaaaag gtatatacc tctcgtgtc tggagacccg ctgattgtgg 300  
 gaacagcagg cgcagagng ttggtgtggg acttacggaa catgggttac gtgcagcagc 360  
 gcagggagtc cagcctgaaa taccagactc gctgcatacg agcgtttcca aacaaggcagg 420  
 gttatgtatt aagctctatt gaaggccgag tggcagttga gtatttgac ccaagccctg 480  
 aggt 484

<210> 66

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1

<223> n = A,T,C or G

<400> 66

ngaagaaaat atgggtggag gtgaaggtaa tcacagagct gctgattctc aaaacagtgg 60  
 tgaaggaaat acaggtgctg cagaatcttc ttttctcag gaggttctta gagaacaaca 120  
 gccatcatca gcatctgaaa gacaggcccc tcgagcacct cagtcaccga gacgcccacc 180  
 acatccactt ccccaagac tgaccattca tgccccaccc caggagttgg gaccaccagt 240  
 tcagagaatt cagatgaccc gaaggcagtc tgtaggacgt ggccttcagt tgactccagg 300  
 aataggtggc acgcaacagc attttttga tcatgaagac agaacagttc caagt 355

<210> 67

<211> 417

<212> DNA

<213> Homo sapiens

<400> 67

acgacacccc tcaagagggtg gccgaagctt tcctgtcttc cctgacagag accatagaag 60  
 gagtcgatgc tgaggatggg cacagcccc gggacaaca gaagcgaaag atcgtcctgg 120  
 acccttcagg ctccatgaac atctacctgg tgctagatgg atcagacagc attggggcca 180  
 gcaacttcac aggagccaaa aagtgtctag tcaacttaat tgagaagggtg gcaagttatg 240  
 gtgtgaagtc aagatatggt ctatgtacat atgccacata ccccaaaatt tgggtcaaag 300  
 tgcgtgaagc agacagcagt aatgcagact gggtcacgaa gcagctcaat gaaatcaatt 360  
 atgaagacca caagttgaag tcagggacta acaccaagaa ggccctccag gcagtgt 417

<210> 68

<211> 223

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 29

<223> n = A,T,C or G

&lt;400&gt; 68

cacttgcaag cttgcttaca gagacctgnt aaacaaagaa cagacagatt ctataaaatc 60  
 agttatatca acatataaaag gagtgtgatt ttcagttgt ttttttaagt aaatatgacc 120  
 aaactgacta aataagaagg caaaaacaaa aattatgctt ccttgacaag gcctttggag 180  
 taaacaaaat gcttaaggc tcctggtgaa tggggttgca agg 223

&lt;210&gt; 69

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 69

accttttttc tctccaaagg aacagtttct aaagtttct ggggggaaaa aaaacttaca 60  
 tcaaatttaa accatatgtt aaactgcata tttagttgtg tacaccaaaa aattgcctca 120  
 gctgatctac acaagttca aagtcattaa tgcttgatat aaatttactc aacattaaat 180  
 tatcttaaat tattaattaa aaaaaaaact ttctaaggaa aaataaacaa atgtagaccg 240  
 tgattatcaa aggattatta aagaatctt accaaaaatt tcaaccctac aacctaaaac 300  
 cgcaaatttc tattttaaa catcagaaaa taactcttgg ttcattactt atgacccaaa 360  
 gtttttattt cactattcaa tatctgaaaa gtatca 396

&lt;210&gt; 70

&lt;211&gt; 402

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 6, 7, 38, 327, 367

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 70

acccannccc acccaggcaa acagctccga catgttngt aagtgagaca agccagtgc 60  
 agttttttt tttttttct ttttctttt tttgtctttt gcttaccttc ttgcttaatg 120  
 gaattgttat ggctaagcac atagaaggcc aaaaaaggag ttttcaaac ccagcaaatc 180  
 aagtgcgttg attctgaact gccaaaagaa aactgcactt cccctctaa gtaaaacgaa 240  
 atgagtttct tagttaaatg tattcatcag cccagataaa aaaaaaccca gttatgtgag 300  
 cgttagtcac tgctcatttc caggaanatc aaacaaaata ccagcccagc cagactcaca 360  
 tgggnata tataatataaa gcaagagagc cacacccaca ag 402

&lt;210&gt; 71

&lt;211&gt; 385

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 229, 292, 382

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 71

accagtagag agtggccct gcaggccact tataaacagg aagctcttc ctgagctcac 60  
 tcatcaacct gcccctggca cagacagaac ctaccagaaa agaacaagta caaaacacta 120  
 tcattatctg ttttctcaag acagtccttac atgtcctgt gcgatcggca caaactcagt 180

gattggccca agtcattccc gggtgccata aacagtaact ggtgtgcanc attagaacaa 240  
 ggggacacgg ctttgcattct cttctgagca acatgaactg ggatttctgc cnccccggat 300  
 ctcggctgcc acctccgaag aagtgcgtac cagccaccc cacagtaaaa gattcctccc 360  
 gtgagtatga tttgaaatgc gncct 385

<210> 72  
 <211> 538  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 326  
 <223> n = A,T,C or G

<400> 72  
 caattaatta acagaggtat aattgtctca ctttcagaag tgatcattta tttttatata 60  
 gcacaggtca taagaaaaat atatagaaaa ataatcaatt tcataataaa aaggattatt 120  
 tctccacctt taattattgg octatcattt gtttagtgtta tttggtcata ttattgaact 180  
 aatgtattat tccattcaaa gtctttctag attaaaaat gtatgcaaaa gcttaggatt 240  
 atatcatgtg taactattat agataaacatc ctaaacccitc agtttagata tataattgac 300  
 tgggtgtaat ctctttgtatctgntttg acagatttct taaattatgt tagcataatc 360  
 aaggaagatt taccttgaag cactttccaa attgataactt tcaaacttat tttaaagcag 420  
 tagaaccttt tctatgaact aagtcacatg caaaactcca acctgttaagt atacataaaa 480  
 tggacttaact tattcctctc accttctcca ggccttagaa tattcttctc tggagccc 538

<210> 73  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 8, 9, 39  
 <223> n = A,T,C or G

<400> 73  
 actttatnna tggaaattttc ttctacttgt atccatttnc cggggcttat ggaccattc 60  
 atactctcca tatttagaat caaaggttcc tttctgaaga gaccttaatt ttaaggtaaa 120  
 acgtggtcca agttcctgaa ttcccacttt ctttcactc ctgaatatgt atctgtgaaa 180  
 tctgaagaat atgtaatccc gttgatttgtt gaatgtggca acctgccttc cgataaattg 240  
 aggattatga ggaaagagag atgcaaacat acgtccaatt gaatgaccca gccgtgtgt 300  
 aaaatttattt agaatttattt caggtatgtt ttctgtgggg tccttgcttc ttctcttaat 360  
 ttctttacga agacgaacac tgctcatttt aaaatgagca gttgg 405

<210> 74  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 34  
 <223> n = A,T,C or G

<400> 74

tgagccctgc acctgttcc tgcacccct gccnactgt tctatggca caaggagttt 60  
tacccagtaa aggagttga ggtgtattat aagctgatgg aaaaataccca atgtgctgtt 120  
cccttgggg ttggaccctt tacgatgttc ttcaagtgtcc atgaccaga ctatgccaag 180  
attctctga aaagacaaga tcccaaaaagt gctgttagcc acaaaatcct tgaatcctgg 240  
gttggtcgag gacttgtac cctggatggt ttcaaatgga aaaagcaccg ccagattgtg 300  
aaacctggct tcaacatcag cattctgaaa atattcatca ccatgatgtc tgagagtgtt 360  
cgatgatgc tgaacaaatg ggaggaacac attgccccaaa actcacgtct ggagctctt 420  
caacatgtct ccctgatgac cctggacagc atcatgaagt gtgccttcag ccaccaggc 480  
agcatccagt tggacagt 498

<210> 75

<211> 458

<212> DNA

<213> Homo sapiens

<400> 75

agccttcac atgatactca gattcctcac cttgtcttag gagtaaaaaca atatacttta 60  
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tatgacattt gataaaatct acaaattcagc cctcgagtt ttcaatgata actgacaaac 180  
taaatttattt ccctagaaag gaagatgaaa ggagtggagt gtgggttggc agaacaactg 240  
catttcacag cttttccagt taaattggag cactgaacgt tcagatgcat accaaattat 300  
gcatgggtcc taatcacaca tataaggctg gctaccagct ttgacacagc actgttcatc 360  
tggccaaaca actgtggta aaaacacatg taaaatgctt tttaacagct gatactgtat 420  
aagacaaagc caagatgca aattaggctt tgattggc 458

<210> 76

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 15, 255, 283

<223> n = A, T, C or G

<400> 76

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accttatacc aaaanaatgc ttattccaaa atatttttg tagctagtag ttctttcctt 60
ggaggttaag aaaatacacc caaacttta attaccaga ttcagaatat ttaagagaac 120
aatttttagtt aagaatcaaata tactgaga ttcaaagagg ggaaaaaaaaag gaaatattat 180
agaagacaaa ggtcaaactg gcattccaga tctggagcaa ttttgtaaag caggaaacaa 240
actatgacaa tctgnagctt cttagatcat tatagtgaat gtncccattt actataaggg 300
tttttataat ggtgtttcct aaataaagga acataaaatgt 340
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<210> 77

<211> 405

<212> DNA

<213> Homo sapiens

<400> 77

ctctgttatt ctctggtag ttccttgat ttgatTTCT aacagggca gagattaca 240  
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 ttccTCCAGC agatccctga aatatgggt gttctcaaag aagatCTTCT ctctctgcag 360  
 ggcttcggac aggctcagct ggtcctggat ctcctgctgg ccccg 405

<210> 78  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 8, 10  
 <223> n = A,T,C or G

<400> 78  
 acagcagnn tagatggctg caacaacctt ctcctaccc cagccccagaa aatatttctg 60  
 ccccacccca ggatccggga ccaaaataaa gagcaagcag gcccccttca ctgaggtgct 120  
 gggtagggct cagtgccaca ttactgtgct ttgagaaaga ggaagggat ttgtttggca 180  
 cttaaaaat agaggagtaa gcaggactgg agaggccaga gaagatacca aaattggcag 240  
 ggagagacca ttggcgcca gtccccctagg agatgggagg agggagatag gtatgagggt 300  
 aggcgctaag aagagtagga ggggtccact ccaagtggca gggtgctgaa atgggctagg 360  
 accaacagga cactgactt aggtttatga cctgtccata cccgttccac 410

<210> 79  
 <211> 512  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 35, 36, 474, 479  
 <223> n = A,T,C or G

<400> 79  
 acagtgaaaa acaaactaat ataaaggcatt ccagnngata aaaacctcct caggttatg 60  
 gtttgttttc caagggaaatt atgttcaat gtaaagttt gaaatactcca gacatacatt 120  
 ccatgttaggt ttgggtgcc aatgttaaaa tttcaaattt tgcatgcaag gcttagcaaa 180  
 gaaacactgg cagaattcca gcatttgc当地 aattctaagt tttggtgaat attgtaaata 240  
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 atattttgtt tgattaaaaa ataccaggtt taccatgttca taaataacac aagaaaatata 360  
 cttaaaaaaa aaaaggactg caatttaca gtaatctgtatcttttagc tgccattaaa 420  
 aaaagaaaaa agaacaacca aaaacaatga aaatgttaca actggtataa agtnaccnna 480  
 tgatgctccc cttacgagaa aacaaaactg tc 512

<210> 80  
 <211> 174  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 42, 49, 66, 68, 143, 152, 162  
 <223> n = A,T,C or G

<400> 80  
tgattccccca gacctaaat gggctaacac gcttctcttc tncagcagnc ttcctgtccg 60  
tgaagntncc ttccagattt gtacatggaa ctgaaaacaa agggagcctc agctggattt 120  
aaatctggag catgccacaa agncttgcac tngcatttt cnagaagaac ccat 174

<210> 81  
<211> 274  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 32, 133, 219, 234, 239, 241, 272  
<223> n = A,T,C or G

<400> 81  
ttgcaacaag cacattaaat taaggcctgc tngaatttct tcctcccaa tcaggtaaac 60  
tttcttgcc aataaaagttt gaggaggtgg catttgaaaa tctcttaaa aaagaagtct 120  
tcatctattc acnagaaaaac tcaaaaataa ttttcattat caacacacaa actaactcaa 180  
tctctgcttt aagtttctat tggccaattt ttctgattna tacgagaatt attntcagnt 240  
ntagaaaaatc ctggtctttg gtcattacaa gntg 274

<210> 82  
<211> 101  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 25, 26, 44, 74, 75, 84, 87, 101  
<223> n = A,T,C or G

<400> 82  
atggagaaga tcgaacctga gcctnntgag aattgcctgc tacngcctgg cagccctgcc 60  
cgagtggccc agcnnncattt cacnagntgg gcatgatttg n 101

<210> 83  
<211> 182  
<212> DNA  
<213> Homo sapiens

<400> 83  
tattatgggg aaagataact gagaataaaag ctatcatgca gatatttgc gagataaaag 60  
taatgcagat actgagtgga gttttgatca aactatgctt gaaagccact ctaccactag 120  
ttacacaaaaac caataatttc ctttcgcagt ggaagtgc ttgagtttt tcaggtttt 180  
tt 182

<210> 84  
<211> 229  
<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature

<222> 163, 191, 203, 222, 223, 228

<223> n = A,T,C or G

<400> 84

actgtttgta gctgcactac aacagattct taccgtctcc acaaaggta gagattgtaa 60  
 atggtaata ctgactttt ttttattccc ttgactcaag acagctaact tcattttcag 120  
 aactgtttta aacctttgtg tgctggttta taaaataatg tgnetaatcc ttgttgcttt 180  
 cctgataccca nactgtttcc cgngggttgg tagaatatat tnngttcng 229

<210> 85

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 9, 44, 494

<223> n = A,T,C or G

<400> 85

ggggagtang tgatttatta aagcaagacg ttgaaacctt tacnttctgc agtgaagatc 60  
 aggggtgtcat tgaaagacag tggaaaccag gatgaaagtt tttacatgtc acacactaca 120  
 tttcttcaat attttccacca ggacttccgc aatgaggctt cgtttctgaa gggacatctg 180  
 atccgagcat ctcttcactc ctaacttgc tgcaacagct tccagagggg catcaaattt 240  
 ggcaagactt aacttgaaca gaggttcaact aatgaagaag aagtctaaca gctcagaaac 300  
 aagagctggg cagaactcgg cattggcctg gtagcagcag agggccagcg tgaccagcag 360  
 gagacacacc gacagttca tggggcctg ttttgcgttg agtcagctt tcacaaacaa 420  
 ttagtggatt ggactccacc ccaggagcct gtggagctgc agagcccagg gctatttcta 480  
 cctgcccggg cggnccgtcg 500

<210> 86

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 90, 93, 132, 180, 266, 270, 275, 279, 305, 316

<223> n = A,T,C or G

<400> 86

ccgccagtgt gctggaaattc gcccttgcgg cccgggcagg tactcagaag tcatttttta 60  
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 aagatgcaat antcattgtc ctctcccaact gtctcccttt tcctcacccc atggcagctn 180  
 tcatgaccca ttcccaaagg gtccaccgag tcctgaactc agttcatca ccaacattcc 240  
 tcgccttcag ttgaattcaa cactgncaan ggagnagang caaagacttgg ggtcaggag 300  
 agggngggaa acacanaaca aac 323

<210> 87

<211> 230

<212> DNA

<213> Homo sapiens

<400> 87  
gcagcattga gccacccccc tggcaggcga tacggcagct ctgtgccctt ggccagcatg 60  
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ctcgctggc tgccccctgt ccctatctct cactctggac ccagggctga catcctaata 180  
aaataactgt tggattagac aaaaaaaaaa aaaaaaaaaa aaaaaaaaaagg 230  
  
<210> 88  
<211> 249  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> 31, 199, 244  
<223> n = A,T,C or G  
  
<400> 88  
atgtgaccag gtctaggctt ggagttcag nttggacact gagccaagca gacaagcaaa 60  
gcaaggccagg acacaccatc ctgccccagg cccagcttct ctccctgcctt ccaacgccat 120  
ggggagcaat cttagcccc aactctgcctt gatgccctt atcttggcc tcttgcctgg 180  
aggtgtgacc accactccnt ggtctttggc ccggcccat ggatcctgct ctctggaggg 240  
ggtnatag 249  
  
<210> 89  
<211> 203  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<222> 36, 42, 166, 167, 187  
<223> n = A,T,C or G  
  
<400> 89  
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ctgggcctca ccccatcta ttgatttaac taacttcctg gtgcgnact cacctgtgaa 180  
aatgangaa gatgttgcag agt 203  
  
<210> 90  
<211> 455  
<212> DNA  
<213> Homo sapiens  
  
<400> 90  
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acttgtaatt tgcatcctgg tgatcacctt actcctggac cagaccacca gcccacatc 120  
cagattaaaa gccaggaagc acagcaaacg tcgagtgaga gacaaggatg gagatctgaa 180  
gactcaaatt gaaaagctt ggacagaagt caatgcctt aagggaaattc aagccctgca 240  
gacagtctgt ctccgaggca ctaaagttca caagaaatgc taccttgctt cagaagggtt 300  
gaagcatttc catgaggcca atgaagactg catttccaaa ggagaatcc tggttatccc 360  
caggaactcc gacgaaatca acgcccctcca agactatggt aaaaggagcc tgccaggtgt 420  
caatgacttt tggttggc tcaatgacat ggtc 455

<210> 91  
 <211> 488  
 <212> DNA  
 <213> Homo sapiens

<400> 91  
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 gcgtagcgtg gccgtgtgca tggccctttgc gcctgtgacc accaccccaa caaaccatcc 180  
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 ggccacactgt cccactccta cgatacgcta ctataaagag aagacgaaat agtacataa 300  
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 tctacccaaac ggccctgtcag ccagctcactc tccaggttca acccacagct acttgggtt 420  
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 ggaaatag 488

<210> 92  
 <211> 420  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 30, 33, 34, 204, 225, 319, 372, 383, 385, 390, 414, 416, 418  
 <223> n = A,T,C or G

<400> 92  
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 ctgagataact ttatcatgat cgancactc cgtccactcc acgtnttggaa cccactcact 240  
 ggacaaagaa acattgaaat attcgccatg ctctgtctgg aacaatttga ataccgggc 300  
 agcagcagag cctcgatgnc caggatattc aatatggtct tccactgaag atgatggatt 360  
 tccttcaca gntagaaaac ttncnagggn gtctaaatcc aaggtgcagg aagnngngc 420

<210> 93  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 11, 53, 168, 197, 231, 237  
 <223> n = A,T,C or G

<400> 93  
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 gcccggctcc tgaaagccga ccaccatgca accaacgggg tggtgacactt catcgataag 120  
 gtcatctcca ccatcaccaaa caacatccag cagatcattt agatcganga caccctttag 180  
 acccttcggg ctgctgnggc tgcattcaggg ctcaacacga tgcttgaagg naacggncag 240  
 t 241

<210> 94

<211> 395  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 9  
 <223> n = A,T,C or G

<400> 94  
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 caaaatttgt gattttata agaatctatg cctccccaat tctcagatc ttctctttc 120  
 tcctttattt ctttgcttaa attcagtata agctttctg gtattttagg cttcatgcac 180  
 attcttattt ctaaacacca gcagttctc agagacctaa aatccagat agaataact 240  
 gtgttagttc ttgaaaaagc attaaagaca ttttccctg aaacatacag aacatgtcat 300  
 gccaaatctc ttgttacat aataaaactgg taataccggt gaattgcaca tacagattt 360  
 atctccaaga tagaataact taaatattaa aacgt 395

<210> 95  
 <211> 304  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 15, 45, 47, 180, 216, 296  
 <223> n = A,T,C or G

<400> 95  
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 ttggaacaag gaaacagaac cacagaaata aatacattgg ttaacatcg attagttcg 120  
 gtactttt tggaaaatgg aaagtacgag gggacttctg tattatgta actcaagtt 180  
 actggaaatct cctgtttct tttttttt taaatnggtt ttaattttt ttaattggat 240  
 ctatcttctt ccttaacatt tcagttggag tatgtacat ttagcaccac tggctnaaac 300  
 ctgt 304

<210> 96  
 <211> 506  
 <212> DNA  
 <213> Homo sapiens

<400> 96  
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 agttggaaatc actgtttaga acacacacac ttacttttc tggctctac cactgctgat 120  
 attttctcta gggaaatatac ttttacaatg aacaaaaata aaaactctt taaatttcta 180  
 ttttatctg agttacagaa atgattactg aggaagatta ctcagtaatt tggtaaaaa 240  
 gtaataaaaat tcaacaaaca ttgctgaat agctactata tggcaagtgc tggcaaggt 300  
 attacactct gtaattgaat attattccctc aaaaaattgc acatagtaga acgttatctg 360  
 ggaagctatt ttttcagtt ttgatatttc tagcttatct acttccaaac taattttat 420  
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 attattaacc ataccctaaag aagtac 506

<210> 97  
 <211> 241

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 144, 165, 167, 171, 187, 214, 215, 228, 239  
 <223> n = A,T,C or G

<400> 97  
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 tgtaggtaa aacatgtaat tgtntctctg gcaaatttgc atcancnatt ngaaaatgag 180  
 atattangaa aaacccaattc ttctttaatc tagncatct ttctttanaa gaacattana 240  
 t 241

<210> 98  
 <211> 79  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 9, 20, 22, 24, 33, 48, 54, 61  
 <223> n = A,T,C or G

<400> 98  
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 ngactttatg gaaaatatt 79

<210> 99  
 <211> 316  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 27, 29, 32, 68, 293  
 <223> n = A,T,C or G

<400> 99  
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 attgcaacag aggtttaaag gggggctcca ctttcgagc cagaagtct tcccaagttaa 180  
 tgtgtctaaa gaatggatga gcttgaactt ctccagcgtc cccaggacca gctcccagac 240  
 gagaaggcagc atttctttc agcagcttt taagcagatc tctggcttc tgngtgaggt 300  
 agggaggcaa attgag 316

<210> 100  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> 255

<223> n = A,T,C or G

<400> 100

accgccttca gaaagtttat atgggttatt cttagcctc tcttttatgc cttagacct 60  
 ctgtttatca accccaaacc aattacgtat ctggaaagtt acaataccgt ggacacaggc 120  
 acttttgaca ttttaattta ttacttttg ggaattaaat ccttagtcta catgttggca 180  
 gcatcttac ttggcctggg tttgcaccca atttctggac attttatagc tgagcattac 240  
 atgttcttaa agggncatga aacttactca tattatggc ctctgaattt acttacctc 300  
 aatgtgggtt atcataatga acatcatgat ttcccaaca ttcctggaaa aagtcttcca 360  
 ctggtgagga aaatagcagc tgaatactat gacaacctgc ctcactacaa tttctggata 420  
 aaagg 425

<210> 101

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 141

<223> n = A,T,C or G

<400> 101

actgacttgg gaatgtcaaa attctttatt atgatcttcc gagtgggtgc cttagcttg 60  
 ttggccctca actgcaggca gagaaccagg agcagggtgg cagggctggc cctgaacagg 120  
 agctggagca agcgcatgct ngagaaaaca gaaggc 156

<210> 102

<211> 230

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 14, 192, 194, 197, 214, 226, 227

<223> n = A,T,C or G

<400> 102

actccaggcc gggncctcagg ttatcaaaag tgcaggagct ctgatcagca tggaccactt 60  
 cttccaaaga atttccctgc tggccgtttg taggggtgt ggttaattcta taaccagtaa 120  
 tgtctgggt ggtgcctc tcccaggaga ctgtgagcac tccagtgtca gggttgcct 180  
 ccagatgcaa gntngtnggt ggagacaatg gtgnaccac tttgtnnaca 230

<210> 103

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 14, 17, 21, 23

<223> n = A,T,C or G

<400> 103  
 actgtgaacc ctgnggnttc nangcgacct acctggagct ggccagtgct gtgaaggagc 60  
 agtatccggg catcgagatc gagtcgcgcc tcggggcac aggtgcctt gagatagaga 120  
 taaatggaca gctgggttc tccaagctgg agaatggggg ctttccctat gagaagatc 180  
 tcattgaggg catccgaaga gccagtaatg gagaaccct agaaaagatc accaacagcc 240  
 gtcctccctg cgtcatcctg tgactgcaca ggactctggg ttccctgcct gttctgggt 300  
 ccaaacccttg gtctccctt ggccctgcgtg ggagctcccc ctgcctctt cccctactta 360  
 gtccttagc aaagagaccc tggccctcac tttggccctt ggg 404

<210> 104

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 340, 362, 366, 391

<223> n = A,T,C or G

<400> 104

accaggttat ataatagtat aacactgcca aggagcggat tatctcatct tcattcgtta 60  
 attccagtgt ttgtcacgtg gttgttgaat aaatgaataa agaatgagaa aaccagaagc 120  
 tctgatacat aatcataatg ataattattt caatgcacaa ctacgggtgg tgctgaacta 180  
 gaatctataat tttctgaaac tggctccctt aggatctact aatgatttaa atctaaaaga 240  
 tgaagtttagt aaagcatcag aaaaaaaaaagt gggtattcct acaagtcaagg acattctacg 300  
 tgactataat ataatctcac agaaaatttaa cattaatacn ttctaagatt taattcttag 360  
 antctnggtt aacaaagtag ctcctgtgga natgattggc atca 404

<210> 105

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 19, 250, 258, 289

<223> n = A,T,C or G

<400> 105

acagcagaag ccagtcctang atgggtgtat tcaatttctg cctctagtagt ttctttgtct 60  
 ttttttcct tcaattttaga agtgaggatt gtgttctcag ctatcagaac tttaagctgc 120  
 ccactatatt gagatgccct tttagctaatt gattcctctt tcagtttag ggtcatctga 180  
 agttcagcat tctttcttt taaaatctta atgtcctcaa agtatttatt ttcttttcc 240  
 tggatttggg gttcagngt ggctattcc agtttagca tggcaattnc tttttcaac 300  
 atgcaatttt catgtaaagag ataat 325

<210> 106

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 13, 165, 312, 347, 384, 387, 396, 398, 419

<223> n = A,T,C or G

<400> 106

actgtctca atnctatgcg tgcaggtgtc taccacaggc aaacagttt ctccccattt 60  
 ttagtaatg tgatttcctt attagcaaaa agaggtcacc agcccctgta gacttaaggg 120  
 actcaagtca caggatgggg atttcctt aatattttt attngttgt ttgaactctt 180  
 gatcaacat tgtagagcag ggtgttcagg acctgctgtg cccaaaggac tgataaagga 240  
 aaaagctcta ttatcttt ttgtgatttg atgcacagat gaaaaactta acacacaata 300  
 acagaagttg gncgttaata aatcacatcc taggtttca ggcgttncgt aagcagacga 360  
 catcttcagt ttcttagctc ttgnagnntc aacacngnaa catcaatgat gcatatgtnc 420  
 agaatcgtt acaaagacca tccg 444

<210> 107

<211> 287

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 12, 15, 23, 169, 184, 231, 248, 263, 286

<223> n = A,T,C or G

<400> 107

acctgcactc gnacntcagg cantaggcct ccacgtcatg gccaggcact ggcatggct 60  
 ccaccacgtg caggcagttg cagtccttct gggatacatt ctggtttaa attgccac 120  
 ttagtttct ataaggtggg acagatgcat ttgcacccga tatcttcana actcttgg 180  
 gctncagctg gggcaccaa caaacacccg accacagcca ccaaagataa nagttcatg 240  
 ctatcangc ttgctgggcc agnnaaagccg gacacctaca agccnc 287

<210> 108

<211> 478

<212> DNA

<213> Homo sapiens

<400> 108

acatgtcaa gaatttggaa aagcagggca tttccctca tctctcctag aggaatatac 60  
 acagcatctg tctctactgg tccacactgg actgcagaca atgtcaaaac tctggatttg 120  
 gaatgcggct gatttcttt ccccttaag gagtttcca agaatttcat aaccatcagt 180  
 tggatattt ccagcttctt tgatgtcttt ttctataatt tcatagcagt caatgtaaat 240  
 cttaaacactt tttgaggtca ctacaatatg aaccttgtga aaacttccat aaaataatgt 300  
 ctttacttct tctgtgtcaa atgtaacagt ttgcacctcg cctcttgtat ccttggtaaa 360  
 gaatgataac gtcttgctag aaggatctgc aatcaactcca acttgtgtt tggatgtct 420  
 gtctgtgatt tgccaaattt caaaagggtc actggagtt tctggagaa gtctgaat 478

<210> 109

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 15, 134, 201, 214, 309, 312

<223> n = A,T,C or G

<400> 109  
 gaatttttct tctanaataa gtattctgtt gacacagact attggtaaga ttttcaacat 60  
 aaggtaatgc taggactggc ctcctagcat gagttgttag taaagatctg gtctgtt 120  
 tctccaaaag aagntctta ctgcgtgtct ctcgtgat ttctgttct gcttctt 180  
 tttcatattt atatatacgg ntttttaat ggtnattgtt attaaatatc tcctcatttt 240  
 tctcttttag gagatgtatgt tgcattttcc tctcaagaaa atgaatatca attgttatct 300  
 tgcttttgtt gncagcttc ttatgtgcat gaactaattt ctgttgaagc cacatatttt 360  
 t 361

<210> 110

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 12, 13, 16, 110, 142, 143, 150, 161, 192, 198, 217, 223,  
 244, 263, 274, 285, 287

<223> n = A,T,C or G

<400> 110

acataatgac tnnccanagt aagctgattt gctgcgggtc tggagtaaat ataagctctc 60  
 cgttcctggg aatccgcact acttggatca cgtgcctggc ctaccaaattt cttggccaaaa 120  
 ctatgtgcct tatcccacct tnnaatctgn ctcotcattt ntcagctgtt ggatcagaca 180  
 atgacattcc tntagatntg gcgatcaagc attccanacc tngccaaact gcaaacggtg 240  
 cctncaagga gaaaacgaag gcncacccaa atgnaaaaaa tgaangnccc ttgaatgtac 300  
 taaaaa 305

<210> 111

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 341, 369

<223> n = A,T,C or G

<400> 111

cggggggccag cggggggat tcagccatcg atcaaactca aaacctggaa tgatatccac 60  
 tctcttttc ttaagctcgat ggaaatattt caagtagaaat tccagaaatg catcggtctaa 120  
 gatgcttcgg aatttgaattt catgcacata ggccttgaga aaactgtcaa actgatcctg 180  
 atcaccacc aagtggccca ggtatgagac aaagcagaaa ctttctcgat agggggctc 240  
 attataggtg tcgtccgggtt caacgcctgg ttcaatcttc acgcggagct tggatgtgg 300  
 gttttctctt ccagtatgtt ccatgtgctg acgcagcaga ncccgccccg ttgcagcctc 360  
 caagcagggng t 371

<210> 112

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

&lt;222&gt; 16, 25

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 112

```

acatcttagg ttttnttcc tttantgtga agaggcggtt ccaccaaccc acagctctgc 60
gtcgagttt tactagattt ctgcaaattt catggaatct ttgctgttgt tcagtggtcc 120
atttatttggaa gccaaaattt cttagggcgct agaatggaa caaggtagtc agccaagcac 180
aaaaacataaa caaaaacagga aacgccccac agaacagatg gatctagata gtagataatc 240
agaaaacacca aagaaaaccac accccatgtg gcaggtggaa accaggctct ttctcatcg 300
agactttat cagccatcgat catcacttct ccccatcctt gcagctgttc ttccagactt 360
gcagtctctg cagccagcag gttgggtgtc gcgattaccc ccctccgcca tcgtctcg 420
gatgcagtctt ctacaagcgc aggccacccccc aacccaggat 460

```

&lt;210&gt; 113

&lt;211&gt; 204

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 113

```

gagaagacag cagagctgct ttccgcctct ttgagaccaa gatcacccaa gtcctgcact 60
tcaccaagga tgtcaaggcc gctgctaattc agatgcgcaa cttccctgttt cgagcctcct 120
gccgccttag cttggaaacctt gggaaagaat atttgatcat gggtcttagat ggggccaccc 180
atgacccctcgaa gggacaccccc cagt 204

```

&lt;210&gt; 114

&lt;211&gt; 137

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 46, 52, 131

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 114

```

accgcaagaa atggacacgc aacgtcatgg agacttttga catcgncgc tngacagtca 60
acgctgacgt gggctattac tcctggaggt gtcccaagcc cctgaagaac cgtgatgtca 120
tcaccctccgaa ntccctg 137

```

&lt;210&gt; 115

&lt;211&gt; 278

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 13, 124, 147, 170, 209, 234

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 115

```

gcgggcggct ttntggactc gctcatttac agagcatgcg tggcttcac ccttggcatg 60
ttctccgcggc gcctctcgaa cctcaggcac atgcgaatga cccggaggtt ggacaacgtc 120
cagntcctgc cctttctcac cacggangtc aacaacctgg gctggctgan ttatgggtt 180
ttgaagggag acgggatctt catcgtcanc aacacagtgg gtgctgcgt tcanaccctg 240

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tatatcttg gcataatctgc attactgcc tcggaagc 278

<210> 116  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 12, 22, 81, 96, 149, 165, 171, 176, 177  
 <223> n = A,T,C or G

<400> 116  
 acaccgtcat angtcaaaag tncagtgcgc gccatcttgc atcaaatgtt cttaaggcag 60  
 tgactggcta tcaaccacag nttctgtctc cccagntgca aacacaggat ccatgcaaca 120  
 gttctgagac catacactta gaaaccacng ggagatgcgg atcanatgca naactnnc 178

<210> 117  
 <211> 360  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 13  
 <223> n = A,T,C or G

<400> 117  
 actccccaat ggnggattta ttactattaa agaaaccagg gaaaatatta attttaatat 60  
 tataacaacc tgaaaataat gaaaaagagg ttttgaatt tttttttaa ataaacacct 120  
 tcttaagtgc atgagatggt ttgatggtt gctgcattaa aggtatttg gcaaacaaaa 180  
 ttggagggca agtgaactgca gtttgagaa tcagtttga ctttgatgat ttttggc 240  
 cactgtggaa ataaatgttt gtaataagt gtaaaaaaa tcccttgca ttctttctgg 300  
 accttaaatg gtagagggaaa aggctcgta gccatttgc tctttgtc gttatagtt 360

<210> 118  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 23, 59, 61  
 <223> n = A,T,C or G

<400> 118  
 gcgtcgtgct atgaccggac ttngtcttga aagggatga cagcatggga ggcaatggnt 60  
 ncacatgtaa accccacact gaaagacaag gcactcttc cacagcagcc ccaacaacta 120  
 gcccct 125

<210> 119  
 <211> 490  
 <212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 104, 110, 117, 128, 142, 144, 157, 161, 223, 230, 247,  
 465, 484  
 <223> n = A,T,C or G

<400> 119  
 nacaaagaaa agcaaaaaga atttacgaag attgtatct cttattaaat caattgttac 60  
 tgatcatgaa tgtagttag aaaatgttag gtttaactt aaanaaaaatn gtattngat 120  
 tttcaatntt atgttgaat cngngtaata tcctgangtt ntttcccc cagaagataa 180  
 agaggataga caacccctta aaatattttt acaatattaaat gaaaaaaagn taaaattct 240  
 caatacnaat caaacaattt aaatattttt agaaaaaagg aaaagttagat agtgatactg 300  
 agggtaaaaa aaaattgtt caatttatg gtaaaggaaa cccatgcaat tttacctaga 360  
 cagccttaaa tatgtctgg tttccatctg ctgcatttc agacattta tggctcttt 420  
 actcaattga taccacaga aatatcaact tctggagtct attanatgtg ttgtcacctt 480  
 tctnaagctt 490

<210> 120  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 142, 167, 307, 347  
 <223> n = A,T,C or G

<400> 120  
 caggtacagt aaaattaaca cttccgttac agggaaatgt aatataaaaat 60  
 taaaaggtga aaaaaagggtg acactggttt cctaagatac aatttactct ttacaaccag 120  
 ggtccacagg tccaggctgc anagcgggca tcaggaagca gagcctncca cctgctctg 180  
 ggggacctgg taataaaaat cagcccatga tggcgctatg gcctctcaga caccacacgc 240  
 tgcctaaaca cctagagctc tggaaatagt caacaggaga gtgatttcca tggggaaat 300  
 tttaaanaag atgcacatgg gacaggaaat agaaagttt ccaaggntaa atttggtacc 360  
 t 361

<210> 121  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 15, 360, 380, 393, 398, 401  
 <223> n = A,T,C or G

<400> 121  
 acacaaaacc tttnacata ttgggggctt accgctccaa attgtactg atccttaag 60  
 ttcacaatata agaattttt caccattaa gtaataaccc tcattacaaa taaagtgcatt 120  
 ctgataacca aactcgtaag tcccatgtc agggactgct tggccattta aaggatcccg 180  
 tatatatggat catgtttctc tataacaggc gtcattctgag acaggttagcc atgtatgatt 240  
 ccgatcacaa atagtagtggg tggcaagagg aggtatataag aagtatcctt tttacactt 300

ataatctact cgttcaccaa tctcatagta gggtttttgtt ttaccaatga gcctccatan 360  
 cttcaaatgt tgggtggctn ctcacaggca tcnggcanaa ngagt 405

<210> 122  
 <211> 152  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 15, 150  
 <223> n = A,T,C or G

<400> 122  
 accccgcgtcc gttgnacacag atcgctgtct gccactcca tcggccattc acttggcagg 60  
 tgcgattggc agagccccgg agagtgtaac cgtcatagca gtggaaagag atctcatcac 120  
 tcacattgtt gtagggagac cggggccaa ta 152

<210> 123  
 <211> 336  
 <212> DNA  
 <213> Homo sapiens

<400> 123  
 acatctgaca tatttatata gcacataaat tagggagtgc tctgaccctt gcccgtggag 60  
 cccaaagcact gagcaggaggt gtgaacgcga gtccagaaag aaggtgctgg agccctgtct 120  
 ctgtcctctc catcacgggg ctccccctagg gcctccccag gcctccttgg ctcaagtccag 180  
 gtgtctgcaag gaggaaggtg ttgtctgcat ttatgtctg agactgggtt tgaggaggca 240  
 ccagataaaa ggagatacac ttgcagctat aaagtcaact tcaaacccta gggcttgtaa 300  
 ttccaagagg agggtggggaa ggcgaggcca tagtct 336

<210> 124  
 <211> 253  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 248, 253  
 <223> n = A,T,C or G

<400> 124  
 ctgcaagagc ccagatcacc cattccgggt tcactccccg cctcccaag tcagcagtcc 60  
 tagccccaaa ccagccccaga gcagggtctc tctaaagggg acttgagggc ctgagcagga 120  
 aagactggcc ctctagcttc taccctttgt ccctgttagcc tatacagttt agaatattta 180  
 ttgttaattt ttataaaaat gcttaaaaaa aacaaaaaaa aaaaaaaaaa 240  
 aaaaaaagntt gtn 253

<210> 125  
 <211> 522  
 <212> DNA  
 <213> Homo sapiens

<400> 125

acaactgcaa gtctaaagata atgttcattc attcccatca taaatgtaac attctaaata 60  
 ggtgtcttct gatgtcatct gtcagaattt cttaatcaaact ttttcttcat cttcaacatt 120  
 atcaaagttc atccttattc ctctgcctt gatttcggag agtttccaaat ttttcaactt 180  
 ttaaggcagc gattgtttt gcatctctgg tatttatctg ctcttcttga aaatttctct 240  
 ttgtctttc gtagaaataa aacttaacag ttggataggc cctgatccca gctttctggc 300  
 atgtctgagc ataaggctga cagtctactt ttccagctt cacttttctt ttaatcatcc 360  
 tagccaagag ctcaaattct ggagcaaaat tctggcaagg tccacaccaa ggagcataga 420  
 aatcaatcac ccaatgattt ttcccttgcga gaacttttc actgaaagtc tgaggtgtta 480  
 gatctgtgga tacttgaggta aaaaatccca gaccggagat tc 522

<210> 126  
 <211> 374  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 302  
 <223> n = A,T,C or G

<400> 126  
 tttttaagat attaacttta cttttataaa tctttgtgtg aatgaaaaaa aaaaatcaag 60  
 gcatacaaat ttcatgtgt tctacatttt taaataccat ctttgcgtc cgttaaaaga 120  
 ttttcatcca tttatcaaa accttttaa gttcaactgt ccaatthaag acagagtgaa 180  
 gacatttttg agtacatctgaa ctaagcatgg tcttgcactga aacgaagtaa gaactcaatg 240  
 agagtccttg tgggcctccc aggcattgcct ttccgttagat agggaaacttc atctttgttg 300  
 gncatcacgc ctgctatgtc taaatgtgcc cacttaggat gagttacgaa ttcttcagg 360  
 aatgctgcag ctgt 374

<210> 127  
 <211> 130  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 12, 37, 47, 69, 75, 87, 112, 115, 124  
 <223> n = A,T,C or G

<400> 127  
 aaagccaaga cngccattgg cactgctatg gtaaggncac agggcancca gggccttctg 60  
 gcaaaaaggng atacnaccag cactatnaac agacaggaca tgggtgagag gnagnctaca 120  
 caantcctaa 130

<210> 128  
 <211> 350  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 14, 16, 24, 146  
 <223> n = A,T,C or G

&lt;400&gt; 128

acactgattt ccgntnaaaa gaancatcat ctttaccttgc acttttcagg gaattactga 60  
 actttcttct cagaagatag ggcacagccca ttgccttgc ctcacttgc gggctgcata 120  
 ttgggtcctc tggctcttgc ccaagnttcc cagccactcg agggagaaat atcgggaggt 180  
 ttgacttcctt ccggggctt cccgagggtc tcaccgttag ccctgcggcc ctcagggtc 240  
 caatccttgc ttcaatgtct gaaacctcgc tctctgcctt ctggacttctt gaggccgtca 300  
 ctgccactct gtcctccagc tctgacagct cctcatctgt ggcctgttga 350

&lt;210&gt; 129

&lt;211&gt; 505

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 471

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 129

acaataccaa agcttcataa tgctaaagaa aacccaaaaca aaagacaatg gtttacacag 60  
 gggaaataacc ctaaggcaat atgaaaacag tcataatttta ttactgataa agagtaaagg 120  
 catccttccc atagaggggg ggaattcaca gggacacta attatatcag atgaaccacg 180  
 gggatagaaa ataggccat ttttaaaattt cattgagaaa ttattacttt ttctccacaa 240  
 ctgtgattct atacaaaata taaaccctgc aaacctttag tgctacctga cagataaaag 300  
 tagcaggagc cagactcttgc aagcacttgc gactgatttgc tacaaagtcc aggaagagca 360  
 atgattccat tgcgtgcactgt tgatgcataat gtgagcctaa catgttattt agtctgggtt 420  
 gcagccccat ctacatgggg cccagttgt ttttagggag tcacagatata ntcaggcaac 480  
 cgaggggcat gattaaaaaa gcaca 505

&lt;210&gt; 130

&lt;211&gt; 526

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 130

acaaaagagc ctgattctt ttaattccac aaataccatg catctcaaag taacatgtaa 60  
 acaaaacttct atgctgctca atgaatccctt ccaatttcga taataaacta aatagtattt 120  
 gatctgtat atgactttca tggtaagtt atggttctat ccattacttt aacaatattt 180  
 ctgtatgtac agagaaaaat tttcaactat tggacttatt taaaacaaac tgacaagtgc 240  
 aagcacctgtt cttcagaaaaa gccagcagca tttttttttt tttacatac tcaaagtaag 300  
 atttggccta agcccttaat acctttctga acagccatgc aactaaacac cctcaggaga 360  
 tggtaataa gggagagaag aacatggagc aatttgcact ttttccctta gataatattt 420  
 acaaggtaaa gcaaatccag atctttatga atgaatggct gtcatgttta atacacttgg 480  
 agtctataaa aactagagcc actatcatat atgtttatata agatata 526

&lt;210&gt; 131

&lt;211&gt; 477

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 131

ctcagttttcc ctagcaacag atgctcctga gcaatttattt agtcaagtgc cggtgctgaa 60  
 atactttctt cattacatgg aggagaacctt catggatggt ggagatctgc ctgtgttac 120  
 tggatattcga agacccggc tctacacttgc tcgtggctt aaatctgata agggccctaaat 180

gatgctctt aatgatggca ccttcaggt gaatttctac catgatcata caaaaatcat 240  
 catctgtac caaaaatgaag aataccttct cacctacatc aatgaggata ggatatctac 300  
 aactttcagg ctgacaactc tgctgatgtc tggctgtca tcagaatcaa aaaattgaat 360  
 ggaatatgcc ctgaacatgc tcttacaaag atgtaactga aagactttc gaatggaccc 420  
 tatgggactc ctctttcca ctgtgagatc tacagggAAC ccaaaaagaat gatctag 477

<210> 132  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> 10, 15, 19, 24, 87, 125, 140, 355, 390, 399  
 <223> n = A,T,C or G

<400> 132  
 accacacgan cgggnatcnt ttgnacatag tgagacccgg ctgattccca tacatgaatc 60  
 cattcatgga gtgcattta ttagatnctt gaaagtcttc atcttcctta tccacctgat 120  
 caggnngcagt tgtaaacatn cctaatattna tcttccagga gtaaactctc attctcatca 180  
 aatactgttag gaaacaaata gaattccttg tctacatctt tctgtctccc atttgcatat 240  
 aaacttcctt tcttgcatat tttcattggc ccaataagcc cagtgaatat atctttagtg 300  
 ggatccacag cagaataata catcttagct agacacacag ggatctgcat tacngggtc 360  
 ctacttctt gggacagagcc cttcatacgn gaatgtttnt gtgg 404

<210> 133  
 <211> 552  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 529  
 <223> n = A,T,C or G

<400> 133  
 accccaaatt atctctctcc tgaagtcctc aacaaacaag gacatggctg tgaatcagac 60  
 atttgggcccc tgggctgtgt aatgtataca atgttactag ggaggcccccc atttggaaact 120  
 acaaatactca aagaaactta taggtgcata agggaaagcaa ggtataacaat gccgtcctca 180  
 ttgctggctc ctgccaagca cttaaattgtc agtatgtgtt ccaaaaaaccc agaggatcg 240  
 cccagttgg atgacatcat tcgacatgac tttttttgc agggcttcac tccggacaga 300  
 ctgtcttcta gctgtgtca tacagttcca gattccact tatcaagccc agctaagaat 360  
 ttctttaaga aagcaagtc tgctttttt ggtggaaaaa aagacaagaac aagatataatt 420  
 gacacacata atagagtgtc taaagaagat gaagacatct acaagcttag gcatgatttg 480  
 aaaaagactt caataactca gcaacccagc aaacacaggg acagatgang agctccacca 540  
 cctaccacca ca 552

<210> 134  
 <211> 496  
 <212> DNA  
 <213> Homo sapiens

<400> 134  
 acattgatgg gctggagagc agggtggcag cctgttctgc acagaaccaa gaattacaga 60

aaaaagtcca ggagctggag aggcacaaca tctccttgg agctcagctc cgccagctgc 120  
 agacgctaat tgctcaact tccaacaaag ctgcccagac cagcacttgt gtttgattc 180  
 ttcttttc cctggctctc atcatcctgc ccagcttcag tccattccag agtcgaccag 240  
 aagctgggtc tgaggattac cagcctcactc gagtgacttc cagaatatac ctgacccaca 300  
 aggacgtaac agaaaatctg gagacccaag tggtagagtc cagactgacg gagccacctg 360  
 gagccaagga tgcaaataatggc tcaacaagga cactgcttga gaagatggga gggaaagccaa 420  
 gacccagtgg gcgcattccgg tccgtgctgc atgcagatga gatgtgagct ggaacagacc 480  
 ttttctgggc cacttt 496

<210> 135

<211> 560

<212> DNA

<213> Homo sapiens

<400> 135

actggggatgt atcactaaca ccatacgtaat gtctaatatt cacaggcaga tctgcttggg 60  
 gaagcttagt atgtgaaagg caaatagagt catacagtag ctcaaaaggc aaccataatt 120  
 ctctttgggt caggcttgg gaggctgtatc tagattacac tgccaccattt ccaagttaat 180  
 cccctgaaaaa cttactctca actggagcaa atgaactttg gtcccaaata tccatcttt 240  
 cagtagcggtt aattatgctc tgtttccaac tgcatatttgc ttccaaatgtt attaaagtgt 300  
 ggcctcggtt ttagtcattt aaaattgttt tctaagtaat tgctgcctt attatggcac 360  
 ttcaatttttgc cactgtctt tgagattcaa gaaaaatttc tattctttt tttgcattcca 420  
 attgtgcctg aacttttaaa atatgtaaat gctgccatgt tccaaaccca tcgtcaagtg 480  
 tgtgtgttta gagctgtgca ccctagaaac aacatattgc ccatgagcag gtgcctgaac 540  
 acagacccct ttgcattcac 560

<210> 136

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 407

<223> n = A,T,C or G

<400> 136

accagcaaat ctccatttgc atttctcagg tttcatgatc cttttcagat atgttggttg 60  
 attttatgtt tatattgtttt agaaaacaaaaa atccacacttgc tattaaaaca aaccaaaaaaa 120  
 aatcataaaaaa gcaagcaaat gaacaaaaaa ccctagttt gttgtgcctt tctttcacat 180  
 ttcctacagg gagattgttgc tatctcagat actttcaaaa tctaatacgat aagtaaaattt 240  
 agtgccttaa ccaaaccatc agataccaaa gaatccttca tcacaaggta ctgaatcaaa 300  
 ctctctcatgc catttgcggat atattcagat ttgaagattt tttaaatattt gaatttaaaaa 360  
 caaacttttag actgcttgatt ttccatattt caaagactgt agctgtntgc agcatataaa 420  
 tgga 424

<210> 137

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 8, 182, 293, 314, 375, 378

<223> n = A,T,C or G

<400> 137

tgcggggntg aaggctagca aaccgagcga tcatgtcgca caaacaatt tactattcgg 60  
 acaaatacga cgacgaggag tttgagtttc gacatgtcat gctgcccag gacatagcca 120  
 agctgggccc taaaacccat ctgatgtctg aatctgaatg gaggaatctt ggcgatcagc 180  
 anagtcaagg atgggtccat tatatgatcc atgaaccaga acctcacatc ttgctgttcc 240  
 ggcgcccact acccaagaaa ccaaagaaaat gaagctggca agctacttt cancctcaag 300  
 ctttacacag ctgnccctac ttccctaacat ctttctgata acattattat gctgccttcc 360  
 ttttctcact ctganatnta aaagatgttc aa 392

<210> 138

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 168, 172, 218, 242, 245, 266, 268, 270

<223> n = A,T,C or G

<400> 138

tgcctgtgca cctctttgct taaaatatgg caagacttgg aaaaatgttt gcccttagaa 60  
 tctatctcac tacttttagtt agttgtctcc tttggccctg ggcacagttc tggccctgat 120  
 ctggAACAGA ctcccttttc taaaactgaa cttgaccaca tcaaaagtt gnAAAACAAT 180  
 ctccatggta attaaacttg cattcaacac catatggnaa cagaagatgg caggaggata 240  
 anatncagat cttatgatct ttccangnan ggcatgttac atga 284

<210> 139

<211> 249

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 23, 28, 33, 67, 68, 81, 161, 168, 175, 183, 217, 248

<223> n = A,T,C or G

<400> 139

gaggaagggg ggactgaatc tancaccntg acngaactag agacagccat gggcatgatc 60  
 atagacnnct ttaccggata ntcgggcagc gagggcagca cgccagccct gaccaagggg 120  
 gagctcaagg ggctgatgga gaaggagcta ccaggttcc ngcagagngg aaaanacaag 180  
 gangccgtgg ataaattgct caaggaccta gacccnatg gaggatgccc agtggaactc 240  
 cagcgagnt 249

<210> 140

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 26, 27, 35, 41, 96, 319

<223> n = A,T,C or G

&lt;400&gt; 140

tcataatgg tggggcagct ataatnnact acaanaatca natgttcac atctagacct 60  
 cgggcagcaa cagaggtagc cacaagaat ttgcangtcc cattcttaaa gtcatttatg 120  
 atgctatctc tgtcatattg atcaatgcct ccatgaagag acatgcaagg ataagatgt 180  
 ctcattaaat ccttaagaag accatcagca tgttcctgct tatccacaaa tataatgaca 240  
 gatcctgact cttgataatg gcctagaagc tcaagtaact tcaagaattt cttttcttct 300  
 tcaatcacaa tcacttgtng ctccacatct gagcaaacca cactcctgcc tccaacttgt 360  
 acctgccccg ggcggcgcgt caagggcga 390

&lt;210&gt; 141

&lt;211&gt; 420

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

<222> 20, 21, 23, 28, 155, 174, 221, 239, 240, 258, 265, 302, 307,  
 316, 342, 346, 374, 387, 388, 402, 418

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 141

gacactcagg gaaaagcatn ngncaaanaa agcttaaaaat gcatcgccaa cggggtcacc 60  
 tccaaaggct tcctcgccat tcggagggtgc tccactttcc aaaggatgat tgctgagggtg 120  
 caggaagagt gctacagcaa gctgaatgtg cgccanacatcg ccaagcggaa cccngaagcc 180  
 atcactgagg tcgtgcagct gccaatcac ttctccaaca natactataa cagacttggn 240  
 cgaagcctgc tggaaatgnga tgaanacaca gggcagcaca atcaggagac agcctgatgg 300  
 anaaaaantgg gcctancatg gccaggccctc ttccacatcc tngcangaca gaccactgtg 360  
 cccaaacaca cccnctgagc tgactnnac aggagacgca cnaaggagcc cggcagangc 420

&lt;210&gt; 142

&lt;211&gt; 371

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 142

gggttcgaca atgctgatcc gcaattagaa gacactggta agctgttta cactgggctt 60  
 cattgaaatc ttcaaggata tagccagctc ctgctcgaag ctgggattct gtataactgt 120  
 tggtaaaagg aggaatttcc aaaaattcct cctcttcttc actgcttctt gtaggaccat 180  
 ctggcagttt ggagcggctg gccaacttgt cactggttgt ggccatggta aggagaaatg 240  
 ctagcccaag aaacaaggctc ttgttgagag gcaaaggccc tctctgctct tccagggcag 300  
 agggttcacc ggtgtgtct ccactctcac agggctcac aaactctctt gcccctactt 360  
 gcaccaggtt t 371

&lt;210&gt; 143

&lt;211&gt; 270

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

<222> 13, 20, 41, 76, 77, 104, 110, 123, 145, 154, 165, 190, 199,  
 217, 239, 241, 247, 262, 267, 269

<223> n = A,T,C or G

<400> 143

ggggctgtg atnactttn ttagttaca aataaaaaaag ntaaaaagaa atactgtgtt 60  
 tagggtaagg taacannttc atctaattcag aggagagtga agangaggcn ctgccttcta 120  
 gngctgtga ctttcctt ttcngatc ttcnccacat tggnaacat ctccccgct 180  
 atgctgaa tacttcggng ttctgcggtg gccatgntga acatctgatg aactgaaant 240  
 ncatccnaat gcacacgaag anatagnca 270

<210> 144

<211> 259

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 28, 167, 223

<223> n = A,T,C or G

<400> 144

ttctctttgc ttttataat tttaaagnaa ataacacatt taactgtatt taagtctgtg 60  
 caaataatcc ttcagaagaa atatccaaga ttctgtttgc agaggtcatt ttgtctctca 120  
 aagatgatta aatgagtttgc ttccagata aagtgcctt gtccagnaga actaaaagg 180  
 cttcaagct gttcagtaag tttttttca gataagactc cgnacatacga attccagctt 240  
 cccgtgcccc ctgtacactc 259

<210> 145

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 8, 406

<223> n = A,T,C or G

<400> 145

accacatnta ccatagtgttta attagtttta atttcacat gaatcaaagg ttccctttca 60  
 tgtctattta cagtccaaattt gtgccttactt cttacttgc tgctgactaa caaggcattt 120  
 aggtgtcag catccttagag tgctccaggg cagttgtcagc gttctcgaaa gtaaaagggtg 180  
 ccacttggta gcaatgatattt tccagaattt aatgggtttt tggtccatg gagactgcatt 240  
 ttatataaat gtagctgttta gcttaagtttta actaaaccta atgctgtgtt taaaaacagt 300  
 ttatTTTaat attaaaatac agttgatttttca acacagcggt gctgtattttt aagagacact 360  
 ttatggaaat tgcaatcata gttatTTTttt ttcacaattt tacagngcat tctaattact 420  
 gatgggtgca att 433

<210> 146

<211> 576

<212> DNA

<213> Homo sapiens

<400> 146

acctcaggcc tggcacctt tttgcttggaa atatggcaag acttggaaaa atgtttgcc 60  
 tttagaatctt tctcaactt ttagttgtt gtctcccttgc ggcctggca cagttctggc 120

cctgatctgg aacagactcc cttttctaaa actggacctt gaccacatca aaagtttcta 180  
 aaacaatctc catggtaatt aaacttgcatt tcaacaccat atggtaacag aagatggcaa 240  
 aggataagat tcagatctta gatcttcca agtagggcat gtttagatgat agaaggatta 300  
 gttgcaagct ggatctgagc tcaggcttgg gcatgaagga aactgtctcc catgtggttt 360  
 ggaagagtta ggggctccct gagctctatt gtgaactata cgggtttcat ccaaggaatg 420  
 gtagatgtg ggcataaaaac cattcttag acaactgaag atggtccct tctgttagcca 480  
 gaaacactag ctgtcctgca ttgccatttc cttaaaaaa ggcggcctgc agaaggaaag 540  
 cccataatta attaaaaaggc ttaatgaagt tttgga 576

<210> 147  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 147  
 ccagccccca ggaggaaggt gggctctgaat ctagcaccat gacggaacta gagacagcca 60  
 tgggcatgtat catagacgtc tttacccat attcgggcagc cgagggcagc acgcagaccc 120  
 tgaccaaggg ggagotcaag gtgcttatgg agaaaggagc taccaggctt ctgcagatgt 180  
 gaaaagacaa ggatgccgtg gataaaattgc tcaaggacct agacgccaat ggagatgccc 240  
 aggtggactt cagttagttc atcgtgttcg tggctgcaat cacgtctgcc tgtcacaagt 300

<210> 148  
 <211> 371  
 <212> DNA  
 <213> Homo sapiens

<400> 148  
 acataatcct cataatggtt ggggcagcta taatttacta caagaatcag atgtttcaca 60  
 tcttagacctc gggcagcaac agaggttagcc acaagaagtt tgcatgtccc attcttaaag 120  
 tcattttatgtat tgctatctct gtcattttgtat tcaaatggcc tccatgaaga gacatgcaag 180  
 gataagatgc tctcattttaa tccttaagaa gaccatcagc atgttccgtc ttatccacaa 240  
 atataatgac agatctgac tcttgataat ggccttagaa ctcaagtaac ttcaagaattt 300  
 tcttttcttc ttcaatcaca atcacttggt gctccacatc tgagcaaacc acactcctgc 360  
 ctccaaacttg t 371

<210> 149  
 <211> 585  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 10, 30, 32, 527, 565  
 <223> n = A,T,C or G

<400> 149  
 cgaggtacan cactgtaaaa tttgacactn angaaaaagc attcgtcaaa gagagcttaa 60  
 aatgcacatcgcaacggggtc acctccaagg tcttcctcgc cattcgagg tgctccactt 120  
 tccaaaggat gattgctgag gtgcaggaag agtgcatacg caagctaat gtgtgcagca 180  
 tcgccaagcg gaaccctgaa gccatcactg aggtcgtcca gctgccaat cacttctcca 240  
 acagatacta taacagactt gtccgaagcc tgctgaaatg tgatgaagac acagtcagca 300  
 caatcagaga cagcctgatg gaaaaatggccttaacat ggccagcctc ttccacatcc 360  
 tgcagacaga ccactgtgcc caaacacacc cacgagctga cttcaacagg agacgcacca 420

atgagccgca gaagctgaaa gtcctcctca ggaacctccg aggtgaggag gactctccct 480  
 cccacatcaa acgcacatcc catgagatg cataaccagg gagaggntat tcacaacctc 540  
 ccaaactagt atcattttag gggngttga cacaccagtt tttag 585

<210> 150  
 <211> 642  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 5, 525, 612, 627  
 <223> n = A,T,C or G

<400> 150  
 acttncgggt tcgacaatgc tgatccgcaa ttagaagaca ctggtaagct gtgttacact 60  
 gggcttcatt gaaatcttca aggatatagc cagctcctgc tcgaagctgg gattctgtat 120  
 actgcttgtt gaaaggagga atttccaaaattcctcctc ttcttcactg cttcctgttag 180  
 gaccatctgg cagttggag cggctggcca acttgcact gggtgtgcc atgtaagga 240  
 gaaatgcgtt gcccagaaac aaggcttgc tgagaggcaa agggcccttc tgctcttcca 300  
 gggcagaggg ttcaccgggt ttgtctccac ttcacacaggg gctcacaaac tctccctgccc 360  
 ctactgcacc aggtttact gtggcagact tgcgacactcg cttggcaggg gaccgttcct 420  
 cttcagaagt gataagttt ctttgcctg agagaactcc catggagga cgaggacttt 480  
 ctgtgatctt tcgggttaggg gttgtgctgc tactggaggc agtanggtg gctggggagc 540  
 tgacgttact gcccgttcc gcttccttc caccaaattt ctaagctgat atctgctgcc 600  
 ttgttaagaa gngtactgc ttcatanggg ccaagcccat ac 642

<210> 151  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 171, 240  
 <223> n = A,T,C or G

<400> 151  
 ntggacaac atctcccccg ctatgctgga attacttggg tttctgcgg tggccatgg 60  
 gaacatctga tgaactgaaa ttccatcgga atgcacagga agatatagtt gatctcaaa 120  
 aatgtcctttt ccaggaccac catactgggg aagttttc ggggcctgc naatgggctg 180  
 caccctgggg ctggggccga gctctagctc tgtcatgcca tcgcccactga aatcggttt 240  
 cagatgatta gtctttcat gccccgtcca ttttcgggtt tttctccagt gttcagaaat 300  
 tcaaattgatt aacttctggg aa 322

<210> 152  
 <211> 262  
 <212> DNA  
 <213> Homo sapiens

<400> 152  
 accaaagtctt ctcttgctt ttataattt taaagcaaattt aacacatttta actgtatttt 60  
 agtctgtgca aataatcctt cagaagaat atccaagatt ctgtttgcag aggtcatttt 120  
 gtctctcaaa gatgattaa tgagttgtc tttagaataa agtgctcctg tccagcagaa 180

ctcaaaaaggc cttcaagctg ttcatgtt gtagttcaga taagactccg tcatacgaat 240  
 tccagcttcc cgtgcccact gt 262

<210> 153

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 241, 264, 282

<223> n = A,T,C or G

<400> 153

ctcgggagta aaagggtgcca cttggtagca atgatattcc agaattaaat gggttttgt 60  
 tgccatggag actgcattta tataaatgtt gcctgttagct taagttact aaacctaattg 120  
 ctgctgttaa aaacagtttta ttttaatatt aaaatacagt tgatttagcaa cagcgggtgct 180  
 gtatTTtaag agacacttta ttgaaagtgc aatcatagtt atttggtttc acaattttac 240  
 ngtgcattct aattactgtat gggngcaatt acttttaatc gnng 284

<210> 154

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 525

<223> n = A,T,C or G

<400> 154

acccacccta aatttgaact cttatcaaga ggctgatgaa tctgaccatc aaataggata 60  
 ggatggacct tttttgagt tcattgtata aacaaatttt ctgatttggaa cttaattccc 120  
 aaaggattag gtctactcct gtcattcac tctttcaaag ctctgtccac tctaactttt 180  
 ctccagtgtc atagataggg aattgctcac tgcgtgccta gtctttcttc acttacctgg 240  
 cctctgataa aaacagttgc ccctctcatt tcataaggc gaggactgt gaccctggat 300  
 ggttctaaat ggaaaaagca ccgcccagatt gtgaaacctg gcttcaacat cagcattctg 360  
 aaaaatattca tcaccatgtat gtctgagaatgt gttcggatga tgctgaacaa atgggaggaa 420  
 cacattgccc aaaactcacg tctggagctc tttcaacatg tctccctgtat gaccctggac 480  
 agcatcatga agtgtgcctt cagccaccag ggcagcatcc agtngacag t 531

<210> 155

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 243

<223> n = A,T,C or G

<400> 155

tcttgacaag actgagagag ttacatgttg ggaaaaaaaaa agaagcatta acttagtaga 60  
 actgaaccag gacgattaaat ttgaaatcatc tctgaaatga agcaggtgta 120

gcctgccctc tcatcaatcc gtctgggtgc cagaactcaa ggttcagtgg acacatcccc 180  
 ctgttagaga ccctcatggg cttaggacttt tcatctagga tagattcaag accttaacct 240  
 canaattatg taaactgtga ttgtgtttta gaaaaattat tatttgcataa aaccatttaa 300  
 gtcttgat atgtgtaaat gtcacaaaaa atgtatTTTA taaaatgttc tgt 353

<210> 156  
 <211> 169  
 <212> DNA  
 <213> Homo sapiens

<400> 156  
 agtttgttt actacatttg tggtccacta gttcaatttg ctgtgttgc aagcgttacc 60  
 accaattgca ctttctatag cctctttac aatgtgtc acttcataa caacaaaagc 120  
 agtctccccc gcagcctggc agtctccat ctttcctccg gcgcgtccc 169

<210> 157  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 147  
 <223> n = A,T,C or G

<400> 157  
 gtttaactacc cgctccgaga cgggatttgat gacgagtccat atgaggccat tttcaagccg 60  
 gtcatgtcca aagtaatggat gatgttccag cctagtgcgg tggcttaca gtgtggctca 120  
 gactccctat ctggggatcg gttaggnatgc tttaaatctac tatcaaaggat cacgccaagt 180  
 gtgtggatt tgcataagatc tttaaacatgc ctatgtat gctggggatc ggtgggtaca 240  
 ccattcgtaa cgttggcccg tgctggacat atgagacatc tttttttttt gatacggaga 300  
 tccctaataatgat gcttccatac aatgactact ttgaaatactt tggaccatgat ttcaagctcc 360  
 acatcagtcc ttccaacatg actaaccaga acacgaatga gt 402

<210> 158  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<400> 158  
 actttggct ccagacttca ctgtccttag gcattgaaac catcacctgg tttgcattct 60  
 tcatgactga ggttaactta aaacaaaaat ggttagaaag ctttcctatg ctccggtaa 120  
 gagacaaatt tgctttgttga gaattgggtgg ctgagaaagg cagacaggcc ctgattaaag 180  
 aagacatttg tcaccactag ccaccaagtt aagttgtggat acccaaaaggat gacggccatg 240  
 gaaacgttgc tcatcagtc tgctaaatggat tttagggaaag aaacatattc aaaccagtct 300  
 ccaaatggat cctgtggatc cagtgtatgc ccactcctgc ttttttttc ctgagattgc 360  
 cgagaataac atggcacttta tactgtatggg cagatgacca gatgaacatc atccatccaa 420  
 gaatatggaa ccaccgtgtc tgcatcaata gattttccc tttttatgtatgc gatccctgc 480  
 catccatgg cacttggctc agcacagtttta ggccaaacaag gacataatag acaagtccaa 540  
 aacagt 546

<210> 159  
 <211> 145  
 <212> DNA

HOMO SAPIENS

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 63, 82, 100, 118, 120, 131, 138

<223> n = A,T,C or G

<400> 159

acttttgcta taagttcct aaaaatattt aatactttt ttttcaatt taaattaaat 60  
 ctnttgatga acaggggggg gntggcaaaa tttccaagcn ctggactgga attttganan 120  
 aggcatttac ngaccctnat aactt 145

<210> 160

<211> 405

<212> DNA

<213> Homo sapiens

<400> 160

tgtaaatcgc tgtttggatt tcctgattt ataacaggc ggctggtaa tatctcacac 60  
 agtttaaaaa atcagccct aatttctcca tgtttacact tcaatctgca ggcttcttaa 120  
 agtgacagta tccctaacc tgccaccagt gtccccctc cggcccccgt ctgttaaaaa 180  
 ggggaggaga attagccaaa cactgtaaac ttttaagaaa aacaaagtt taaacgaaat 240  
 actgctctgt ccagaggctt taaaactgtt gcaattacag caaaaaggaa ttctgttagct 300  
 ttaacttcta aaccacatct ttttgcact tttttataa gcaaaaacgt gccgtttaaa 360  
 ccactggatc tatctaaatg ccgatttgag ttcgcgacac tatgt 405

<210> 161

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 33, 49

<223> n = A,T,C or G

<400> 161

tttgcttta atgaaggaca agggattaag acncatagag actggccana caaatggaa 60  
 accgaccaga ccagccatg accaaaatat cacaggcaga ccacccacaa atgcagaggc 120  
 ctcagagtcc acagtggcg gttggAACCC agggcccccag ggaatcttc agtgcattc 180  
 cggctgtat cggcggccaa caggttagagg tgctggaggg ggctgagtcg tgatTTcgg 240  
 tgtctgtcat attcgatcaa gtgtgtcata gagcttcctg tttcatctcc cagttattca 300  
 aggagaggct ggtggctcca cttcccagg aactgtgctg tgaagatctg aagacaggca 360  
 cgggctcagg caccgcgtt ctggaatgtc aattgaaac ttaaaaagca gcgaccatcc 420  
 agtcatttat ttccctccat tcc 443

<210> 162

<211> 228

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 97, 147, 162, 174, 186, 213, 218

<223> n = A,T,C or G

<400> 162

tcgttatcaa aatgaaagac accaaaccat tactggcttc taagctgaca gaaaaggagg 60  
 aagaaaatcggt gacttagtgg agtaaaattt atgcctnctc agggaaacat gaaaaatgcg 120  
 gacagtatat tcagaaaggc tattccnagc tcaagatata tnattgtgaa ctanaaaata 180  
 tagcanaatt tgagggcctg acagacttct canatacattt caagttgt 228

<210> 163

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 225, 250, 364

<223> n = A,T,C or G

<400> 163

acccaaggct acacatcctt ctgtgaaaca gtctcacgga gactctcaga atcccaagaa 60  
 ttttcttcaa ccttcttttgc ttttgattct gaagggaaaca tctgatctgc tctcaatgtt 120  
 tggcattct tcaattccaa ggctttattt ggaacagact ttgcatttca atggcaggct 180  
 cgaaggcaga tggcttctcg ggaggctctg ctttggaaat ttgcgttcc atcaattcta 240  
 aggctttagn tggaaatagaa actttcatcc tgcaggggac cttcagaaaa ccatcattat 300  
 caggagactc ttcttaattttt ccatttattt tatctatttc ttttgatgc gcagccttgg 360  
 gtanacacac atccttctgt gaaacagtct cacagagact ctcagaatcc caagaacttt 420  
 cttcatagtc cttttgtttg gattctgatg ggagttatctc atctgcttc aatgtttgtt 480  
 cattcttcaa ttccaaaggct ttatggaa cagacttttgc catttcaatg gcaggctcga 540  
 aggcagatgg cttctcggtt ggctctgctt tgaaaagttt 580

<210> 164

<211> 140

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 16, 79, 107, 109, 116, 125, 136, 140

<223> n = A,T,C or G

<400> 164

acttatatct tttggnccttgg gcttctcaa agttcacgac agacataggg actctcacag 60  
 tatcaagccc atttaccgnc acctcacacc aatactcgcc ccaccngng ataggntctg 120  
 ctggnaactt taatgnatgn 140

<210> 165

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 156, 157, 227, 232, 260, 283, 290, 299, 304, 310, 331, 338,  
 346, 353

<223> n = A,T,C or G

<400> 165  
 acatggagcc actgccccca gtgggtatgg aaagcactgc cttcttactc cggaagggtc 60  
 ctttgtata catggcagcg taagtgtaaag caaactctcc tatgaacact cgctcaaacc 120  
 agccttcag aatggcaggg actccaaacc actgcnnnnn ggaactggaa tatcacaagg 180  
 tctgcggctt ccagcttctt ttgttcagcc acaatatctg ggctcanatg gncttcctta 240  
 taagccagaa cagactcggn aggatactga aagttcgcag ggnccctcan tttacctgng 300  
 atgncccttn tggaaatgtt gggattgaag ntcatggnat aaaggncgcga ctnaccacc 360  
 tccattcttt 370

<210> 166

<211> 258

<212> DNA

<213> Homo sapiens

<400> 166  
 gtcaaaagtc atgatttta tcttagttct tcattactgc attgaaaagg aaaacctgtc 60  
 tgagaaaatg cctgacagtt taatttaaa ctatgggtta agtctttgac aaaaaaaaaa 120  
 aacaaacaaa cactttttc catcgttaac actgcatac ttcctgttaa ccactctcct 180  
 tagggatgtt atctgaaaca acaatggtca ccctcttgag attcgtttta agtgtattc 240  
 cataatgagc agaggtgt 258

<210> 167

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 44, 106, 113, 115, 133, 147, 149, 181, 186, 188, 229, 230,

242, 277, 291, 315, 317, 335, 337

<223> n = A,T,C or G

<400> 167  
 ggtcagccaa acacccagga tctctgtaaa actgaagaac aggncaatgc caccaacaaa 60  
 tctcaaaacc tctccagcat attctccat gattggagca catggngagc acnntggc 120  
 acttttaaca canctagcca gacaggnnc attgggtta acacttcgga acccacagca 180  
 nttnanant ctctggatgtt catttcgagc acttgtattt attggtcann tttctgtatc 240  
 tngcgttgg ttagccctga accaggagca acagggnca gttctggagg ntgggtggaa 300  
 caatacggca agtgnntngaa atgacatcca acctncngaa atgac 345

<210> 168

<211> 61

<212> DNA

<213> Homo sapiens

<400> 168  
 gatagtgtgg tttatggact gaggtcaaaa tctaagaagt ttgcagacc tgacatccag 60  
 t 61

<210> 169

<211> 344

<212> DNA

<213> Homo sapiens

<400> 169

acattgggtgc tataaatata aatgctactt atgaagcatg aaatthaagct tctttttct 60  
 tcaagtttt tctctgtct agcaatctgt taggcttctg aaccaagacc aaatgtttac 120  
 gtcctctgc tgcataccaa cgttactcca aacaataaaa aatctatcat ttctgctctg 180  
 tgctgaggaa tggaaaatga aaccccccacc ccctgacccc taggactata cagtgaaac 240  
 tgttcattgc tgatgaatgc agcagtccacc aaaaaataca cccaatcttc cagataacct 300  
 cagtgcactt taggaaatca aaaattacct ggaagcaatt tagt 344

<210> 170

<211> 114

<212> DNA

<213> Homo sapiens

<400> 170

agcagtgtgt cctccatgaa taaacaggag ttctggaggc ccatcttctg catcttctgc 60  
 tgattgttct tcccccaattt tacttaaattc ccacacattc aggcggcggt cagt 114

<210> 171

<211> 150

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 79, 107

<223> n = A,T,C or G

<400> 171

actgagagca tttataatct gaccaaattc ataggcatta ttaggcttg ctatcgaaag 60  
 ttctcaggg tcttcggng acctgctgt tttgcctccc ttctcanaag caaggcatcc 120  
 catggagacc tccccctgcag ggcttccagg 150

<210> 172

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 406

<223> n = A,T,C or G

<400> 172

atttggtttc cactgcctca cactagttag ctgtgcgaag tagtagtgatg acacctgtgt 60  
 tgcattttcc cacatcacgt aagagcttcc aaggaaagcc aaatcccaga ttagtctcag 120  
 agaggatca atatgtccat gattatcttc tggtttaggt ctacagtcaa tggatggtg 180  
 gtctttgctt cccagtcgtc cagaatatct ttgtgcttct ctaatcattt gctttaaagc 240  
 taatcaatgt gttggcagca tctctgtcac tcttgttaa cacgtgaaga aatcaggttag 300  
 attttttctt gtggcattgt tttcgaccc aaaatcaggt atgctgacta ttccaagg 360  
 gtttttcagt tgcttcattt gcttgtaaag cagggatcc tcttgntgct ttcttttc 420  
 tcgatgagcc cgtgt 435

<210> 173  
 <211> 622  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 5  
 <223> n = A,T,C or G

<400> 173  
 actgnnttcc cccaaagtcca tgacatgtat acataattaa tggtttgcct ccttgattgt 60  
 tttctccaac atccagacat agaggctgac caacgcttt aatgtatcca gatataacag 120  
 gattaaggtc tggcacatac acctctggat aaatgttgg 180  
 tacactgaag gcgggtttt atttcaaattc ttttgaaag atcaccaat gcttttgg 240  
 taacaatttt tgctgcatac gtatattctcc tataaaatat ttccttgat tcataccatcc 300  
 agacttctgc aaggcgaact tggtttctag caatcacctg agtgccttt ggaaagctat 360  
 gagggctttt gctgcgaaaa acatgtccaa caacagagca aggcataatc tccaaactgcc 420  
 caccacattt ccataactctg aaagacattt ctatatttc acctccccag attccattt 480  
 cttcatcata gcttccaata tactcaaaat attctttga tatggaaaaa agtccctctg 540  
 caaaaagtggg tgtttaatt gggtaggggtt catcttcct tctttgcttc tcatagtatcag 600  
 gaagcgactt ccacccaatg aa 622

<210> 174  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<400> 174  
 acgggtgcagt tgaccactg ttggctctcc ttgcagttcc tgatatgtca tcttttagcat 60  
 gtggctactt acgtaatctt acctggacac tttctaatct ttggcccaac aagaatccgt 120  
 caccggat agatgtgtt gagcagattt ttccttacctt agttcagctc ctgcataatgt 180  
 atgatccaga agtggtagca gatacctgtt gggctatttc ctaccttact gatggtccaa 240  
 atgaacgaat tggcatggtg gtgaaaacag gagttgtgcc ccaacttgcg aagcttctag 300  
 gagcttctga attgccaattt gtgactccctg ccctaaagagc catagggaaat attgtactgt 360  
 gt

<210> 175  
 <211> 486  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 5, 7  
 <223> n = A,T,C or G

<400> 175  
 acagntnctc tactacactc agcctttat gtgccaagtt tttctttaag caatgagaaa 60  
 ttgctcatgt tcttcattt ctcaaatcat cagaggccga agaaaaacac ttggctgtg 120  
 tctaaaactt gacacagtca atagaatgaa gaaaatttga gtagttatgt gattatttca 180  
 gctcttgacc tggccctct ggctgcctt gagtctgaat ctccaaaga gagaaccaa 240  
 tttcttaagag gactggattt cagaagactc gggacaaca tttgatccaa gatcttaat 300  
 gtttatattga taaccatgtt cagcaatgat ctatttggaa aatctccata 360

atttcaattt gtaaactttg ttaagacctg tctacattgt tataatgtgt tgacttgagt 420  
aatgttatca acgtttttgt aaatatttac tatgttttgc tattagctaa attccaacaa 480  
486  
ttttgt

<210> 176  
<211> 461  
<212> DNA  
<213> *Homo sapiens*

```

<400> 176
accctggcca ctcccttccct tttggctggc caatgtctcc tctgttaggct ccagaaggct 60
ctcaggatg caggcggcct cctgcagggt tgagttgcaa tgggaacaaa gacagctgt 120
gtccccatagc accctcatct ggtgacatcc tgctactgac agtcaaaaga agccttccca 180
gatgaaattt tagtcctctg cgccagccatg ctcttcttcc agcaaaagag ccatgtgcag 240
tcgggtctgc tccccatggg ggctttgatg tgggcccagc agtggatcag cttccagac 300
acgctcaact ctgcacactc ttccctgccgc ctcaaggctt ccaggaccct cccgagcctt 360
atcagagtcc ttacccttag ggctactgat accttgcgtgg gtgaccttgg acagattcac 420
ttacctggac tcagtttcat aatatgaaaa tgatagggtt g 461

```

<210> 177  
<211> 234  
<212> DNA  
<213> *Homo sapiens*

<400> 177 acacattttg taatttacctt ttttgggtt ttgttagcaac catttggaaa acattccaaa 60  
taattccaca gtcctgaagc agcaatcgaa tccctttctc actttggaa ggtgactttt 120  
caccttaatg catattcccc tctccataga ggagaggaaa aggtgttaggc ctgccttacc 180  
gagagccaaa cagagcccaag ggagactccg ctgtggggaaa cctcattgtt ctgt 234

<210> 178  
<211> 657  
<212> DNA  
<213> *Homo sapiens*

```
<220>
<221> misc_feature
<222> 10, 38, 42, 56, 58, 71, 77, 109
<223> n = A,T,C or G
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<400> 178  
 gagctcggn ccctagtaac ggcgcagg gtgctggnat gngcccttc gagcgnncg 60  
 cccggcagg nacttnat ccccctcatc ttccgttagc tcatttgnt ctctcatttt 120  
 ttggcatatt ttcaagtca cactaaaaa ctctccatg tattcacttc tcatcacttg 180  
 gtctacatgc cgaacctaag gtcaaggattc caaaaagatg agtatccctt caaacgcctc 240  
 ctaagcctct ggtatacatg actttggctg tgcaactcat ttagacttca cctttttgtt 300  
 tgctgtgtt ttatcacacta gattcctttg tcttcattaa agataatgaa agattcacat 360  
 cacagtgcag ctcttcgtt tgccttcg taagtccgtg gcaactggcg agagttctgg 420  
 tctgctaggc atgtgtaaa tccgccttgc ggctctctgt gatttgcctt gcttaacgtt 480  
 ttatgttc ttatcacac atgccaaggt ggcacgtga aaaatgtctc tgacgctatt 540  
 ttccgactgt aaagctgagc attcgatata agtagctgtt ccaatctgtt tggccataact 600  
 tgccccctgg tcataggaca ctggcgcttg cctgtgattt gagagctcta ctaatgt 657

<210> 179

<211> 182

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 7

<223> n = A, T, C or G

<400> 179

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acaaaanctt ttaaatttta tattattttgc aaactttgtt ttggggttgc ggcacccctgg 60
ccaccccatc tggtgtgac agcctctgca gtccgtggc tggcagtttgc ttgatcttt 120
aagttccctt ccctacccag tccccatttt ctggtaaggc ttcttaggagg tctgttaggt 180
gt 182
```

<210> 180

<211> 525

<212> DNA

<213> Homo sapiens

<400> 180

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acacgctttt ggccccgacc aatgaggcct tcgagaagat ccctagtgac actttgaacc 60
gtatcctggg cgacccagaa gcccgtgagag acctgctgaa caaccacatc ttgaagtcag 120
ctatgtgtgc tgaagccatc gttgcggggc tgtctgtaga gaccctggag ggcatgacac 180
tggaggtggg ctgcagcggg gacatgctca ctatcaacgg gaaggcgatc atctccaata 240
aagacatcct agccaccaac ggggtgatcc actacattga tgagctactc atccccagact 300
cagccaagac actatttgaa ttggctgcag agtctgtatgt gtccacagcc attgacccctt 360
tcagacaagc cggcctcgcc aatcatctct ctggaagtg a g c g g t t g a c c c t c t c t g g c t c 420
ccctgaattc tgattcaaa gatgaaaccc ctccaaatttg a t g c c c a t a c a a g g a a t t t g c 480
ttcggaaacca cataattaaa gaccagctgg cctctaagtg a t c t g t 525

```

<210> 181

<211> 444

<212> DNA

<213> Homo sapiens

<400> 181

acaccacaat gtgcatacaag gagacgtgcc gattgattcc tgcagtcgg tccatattcca 60  
gagatctcg caagccactt accttcccg atggatgcac attgcctgca gggatcaccg 120  
tggttcttag tatttggggt cttcaccaca atcctgtgt ctggaaaaac ccaaaggct 180  
ctgaccctt gaggttctct caggagaatt ctgatcagag acaccctat gcctactac 240  
cattctcagc tggatcaagg aactgcattt ggcaggagtt tgccatgatt gagttaaagg 300  
taaccattgc cttgattctg ctccacttca gagtgactcc agacccccc accggccttta 360  
ctttccccaa ccattttatc ctcaagccca agaatggat gtattgcac ctgaagaaac 420  
tctctgaatg ttagatctca ggg 444

<210> 182

<211> 441

<212> DNA

<213> Homo sapiens

<400> 182

```
acaacacctta ttgcttctcc agcattttcc agaagaatgg tgcatttgc gggccacagg 60  
ggatggggga gtaaaaaata acataaacgta actgaacaga aatgcaggag ggtggcaaga 120
```

ggggccgaga ttgggtgttc agggcagaga ggtggaagac caggggcagt cagtgcctct 180  
 tagcttcag ccaccagagt ggagaattcg tcaaccccaa ttttgcgcgc cccatctttg 240  
 tctccagcag ccatcagcat cttggtttct ttagcagaca ggtctctggc atctggggag 300  
 aagcctttta ggatgaatcc cagctcatcc tcctcgatga agccactttg tccttgcaca 360  
 gcatgtgaaa cacctcttc acatcatccg cactctttt cttcaggccg accatttgg 420  
 agaactttt gtggcgaag g 441

<210> 183

<211> 339

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 4, 10, 58, 67, 168, 210, 226, 228, 232, 238, 239, 289, 292,  
 297, 302, 304, 323

<223> n = A,T,C or G

<400> 183

tgtntcatcn taaggggatt gggctctaga tctgtcgacg gcgcatttag gattgcnat 60  
 cggttangtg gtccgcgagt catgaatttt tgctctggag cgttattgtt tgtgaagttt 120  
 atccaggaga gaactatgtat tgggtcgatg cgtttactgc aggaagantic acggctctcag 180  
 tcacggaggt gtaagggtgg actgactgan tgagacaagg gatatnngt tnttatann 240  
 ttgtgtgaa cctgcctacc gtttatgtct ctgtcttaat gggctctcng tnctgttnatt 300  
 cncncaagct gcgggggctt ccncgggtct gggctctga 339

<210> 184

<211> 490

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 78, 82, 109, 126, 129, 133, 159, 193, 195, 235, 244, 245,  
 284, 292, 296, 318, 320, 372, 389, 391, 397, 418, 437, 455,  
 468, 483, 488

<223> n = A,T,C or G

<400> 184

atatacgcaag ctgtacgac cgacacatac ggcgcattgt gctggattgc ttatcttg 60  
 ggcgcacgtc tatataancg anactacata gtctcgaaa tccactcant ttcaagttcc 120  
 caaaaanacng gaaaaaaacc catgccttat ttaactaanc atcagctcg ttctccttct 180  
 gtaaccgcgc ttntngctcc cagcctatacg aaggtaaaa cccacactcg tgcnagtc 240  
 atcnnataac tgattcgccc gggtaactgcc gggcgccgct cganaccaat tngcanaatt 300  
 cacacattgc ggctctnan aagctctaga aggccaatcg ccatattgtat ctatacatta 360  
 tggccgtcgt tnacacgtcg tgacgggana ncctggngta ccattaatcg ctgcacantic 420  
 ctttcgcagc tgggtntac aaaagccgcc catchctcca cggtgcgncc gatggcaagg 480  
 acnccctnat 490

<210> 185

<211> 368

<212> DNA

<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 3, 4, 6, 13, 41, 93, 145, 159, 160, 165, 243, 302, 313, 327,  
333, 350, 355  
<223> n = A, T, C or G

<400> 185  
ctnnanatag cangcttgta cgaccgacac aatacggcca ntgtgctgga ttcgcttcag 60  
cgccgccccgg gcagtaccgg cgctcatcta tcngatgatg ggcaccaat gtggggttt 120  
aacctttta tatggctggg gacanaaagc gcggttacnn aaccnataac gagctgtatgg 180  
tcatttaaaa atgcttgggg tttcccggt ctttgggga attgaaactg agtgggactt 240  
canaaactgt gctactttcg cttatctaag tactcgccg caacacccat ccgaatccgc 300  
anatatcatc acnctggcg gcgtcancat gcntctaaag ggccaattcn cctanatgag 360  
tcttataac

<210> 186  
<211> 214  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<222> 1, 37, 38, 59, 90, 98, 105, 107, 113, 181, 183, 192  
<223> n = A, T, C or G

<400> 186  
ngggagatcg cagttgtac gactcgcat ataacgnca atgtgctgga tcgcanc 60  
gcccggcg gtctaattcg gttcggattn tttgtgtntt gtctntntta cangtgcta 120  
tccccttttt cctcccttc tgccatcctc atccttatac tccttttgg acaagtgtca 180  
nancagacag angcagggtg gtggcaccgt tgaa 214

<210> 187  
<211> 630  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<222> 39, 63, 70, 111, 116, 199, 205, 209, 268, 277, 442, 448,  
492, 511, 514, 520, 545, 546, 555, 596, 608, 611, 620  
<223> n = A, T, C or G

```

<400> 187
cagctgggac gagtcgatca tatacggcgc atgtgttyna tcgctatcggt gtcggcgag 60
tanttattan attactgtta ttctctgcctc tactggatat gatctcttga nggcangtct 120
gtgtcgctcg gtacacccat gttctcaggc tgggcaaata ctttcctata atagttatg 180
gataatgaat gacgactang tctanaaana cgctagctaa ataacacact cagggaaaga 240
gtcttaataa ttgtgaaggt gtttttanta tacaacnttt gtttacataa taggaataaa 300
tttttagact tttaaacaga cacttgagcc agatttggta atgttaccat ctatagtgtc 360
ttgaaaatat tcctcttagt ttccaatatg aatgaatcta aaatccatct ttcaattat 420
gcccgaggcc gtggtcaatg cnccctcnac acttcattaa cggattatac cttggaaac 480
cataaactgg cntagggacga atcgcttgc ncangctaann aactgcccctg tattgagggg 540
ttatnnctga ttgcngaggt gcctctccag gtccccaaag ggtcgactg ttgaanctgg 600
ctctaatntt ntcttgcctn acaggtctcc 630

```

<210> 188  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 2, 3, 8, 12, 25, 31, 34, 43, 74, 76, 105, 106, 122, 158,  
 204, 205, 224, 225, 230, 236, 260, 261, 270, 278, 288, 289,  
 297, 335, 376, 388, 397, 398, 415, 427, 432, 438  
 <223> n = A,T,C or G

<400> 188  
 cnngcaanac anggtcgat tccgntgagg naanaattcc ctnatagggc tcgcccccta 60  
 ttcaccaaac caancngaaa ctcttgcgtt caaatctaag ctatnnacaca accccactct 120  
 gnagggatgtt cgccccgccc ctgcaatgaa atcaatanca tatttggaga cagagagata 180  
 gagagagaga ggttcctggc cttnnctatt ctgctcttac ttgnnagatn tcaganatag 240  
 aaaaacctat cctaggtccn nccaatgatn gcggcttncg aatcccgng tggccantcc 300  
 ccggatcgga ctaaatcaaa gaagatcctc cgtcncctg ttccctccaca ctggagtccc 360  
 attgtatgca tgggtnttgc actggctnat cataccnnag gatctgtcca ccttnaactc 420  
 ttctctngga antccctncc c 441

<210> 189  
 <211> 637  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 5, 24, 36, 45, 58, 113, 119, 147, 193, 196, 227, 330, 347,  
 387, 447, 450, 458, 460, 487, 489, 502, 518, 526, 535, 538,  
 546, 558, 560, 613, 622, 633  
 <223> n = A,T,C or G

<400> 189  
 agggngtata tacccacttg tacnactcga tcatanacgc gcatntctga atcgcttnct 60  
 ggccgcgatg tactgtggc acttaagcac tgagtaactgt ttgcgtcatg ccnggtcana 120  
 agatgctgtt gcaaaaggac tccaacnnaa tacactgtct tcaacaggag ttaacacctc 180  
 acacttggtg ganaanagaa ctcactgggt gtgatgcaca cgactgnatc catcaagtgc 240  
 gtttgcctgt tgactgtctt ccaaggctct ggcagttac gcccggccgg cgctcgaaac 300  
 caaatctgca aatatcatca cactggcggn cgctcagcat catctanaag gccatcgccct 360  
 atagttagtc tatacatcat ggccgcnttt acactcctac tggaaaacct gcttaccact 420  
 taatcgcttc acacatcccc tttcgcnngt gcttatancn aaaagccac gatgcctcca 480  
 cattgcncnc ttagggcatg ancccccattac ggcataanc gcggtntgtg tacncangt 540  
 accgtntcgc acgctacncn tcttccttct cctttcccc ttcccggtcc tcaccattcg 600  
 gggccttagg tcnatatctc gnccacccaa atntagg 637

<210> 190  
 <211> 653  
 <212> DNA  
 <213> Homo sapiens

<220>

```
<221> misc feature
<222> 29, 59, 112, 129, 134, 143, 157, 177, 180, 203, 247, 276,
306, 315, 320, 327, 334, 337, 363, 421, 424, 514, 523, 543,
571, 591, 593, 599, 610, 612, 618, 634, 637, 651, 652
<223> n = A, T, C or G
```

<400> 190

```

aggggtata taccacttg tacgactgna tcataatacg gcatagtctgg aatcgctnc 60
gtggctgcca tgatttgaca ctacttctaa gaactacaaa agtgatactg angatacatt 120
acacagaang gctnacattc tcncagatcc tcatttntca tgatatgtgg acatcangan 180
cacgtggata agtgtatcta aanaatggct ttcaaaatat ttccacttta ttaaggttt 240
acatganatt cataaaatgt cttaaatacta tttctnaaaa taacatctaa tcggaaacta 300
tgcctnaact gcacntttt tgggtanata atcntantt tacgccccggc ggcgccaaag 360
ccnaatctgc gattcctcac ctggcgccgc tcaacatcat ctaaaggcca atcgctata 420
ntantctata catcctggcc gcgtttacac gtctaattggg aaaccggcgt accacttata 480
gcttgccagca ctccccttcc cactgggta tacnaaagcc gcncgatgcc tcccacattc 540
canctgatgc aatgaccctt gttcgcccta ncccgcggt tgggtaccca ntnaccacnt 600
cagcgctgcn cnccttcntt ctcctcttct gcncntncgt tccctcactc nng 653

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<210> 191

<211> 663

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 2, 5, 21, 59, 104, 113, 234, 256, 259, 264, 284, 290, 364,  
418, 427, 433, 444, 456, 466, 525, 547, 553, 562, 564, 581,  
612, 617, 640, 644, 661

613, 617, 640, 644,  
682; *l. T. S.* 6

<100> 101

angngngata taccctactgt ncgactcgat catatacgcg catgtcgat cggtccanc 60  
gcgcgcgcat gtactatatac tacatcaact gtattatcat ttanatattg atnaaagaca 120  
aaatcatact tccatctgct cactgatgt aattactatg atacatgatc atgtaaacgt 180  
atcaatataa caatggaaga tccctctgac tatgcaagcc taatttcca atcncatgca 240  
ctctcatagc tcaaananatnt cacngacatc ctgatgaaac tatnatacan ttccacaca 300  
aatcacttcg ctttagatct ctccattatt ctgctttc cccccctaaca actacaaatc 360  
ctcntggat gggagaata tatatcatct actaaaaata atatataatc ccctgcanat 420  
ttgtggnaaa tcnggtgtct caanagccac aggagnacaa ggggnacca actaggactt 480  
ttgtatgctt atctctgtac tcgcgcacac ctaagcgatt ctgcnattct ccctggccgc 540  
gtcacanctc tanaggccat cncnatatga tctatacatc ntggcgtt tacactctga 600  
cgaaaaaccgg gtnccantta ccctggacca tcccttcgcn ctgntataca aagcccccg 660  
ncc 663

<210> 192

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

$\langle 222\rangle$  2, 31, 45, 48, 57, 63, 84, 94, 108, 125, 143, 161, 162, 174, 178, 184, 200, 201, 219, 228, 232, 239, 250, 258, 260, 262,

272, 281, 283, 291, 304, 316, 325, 329, 331, 339, 342, 347,  
349, 353

<223> n = A,T,C or G

<400> 192

antttttata taccactgg tacaactcga ncctatacgg cgcanntncg gaatcanctt 60  
cancggcgcc ggcattgtacc ggtnatcatc atcngatgtat ggcgctcnaa tgtgggttt 120  
acctnttata cggctgagat canatcgcgt acataacaaa nncaactgat ggttaatnta 180  
aatncgggttgg gttctcccn ntctgttggg gaacttgana ctgagtgnga cttccatana 240  
cgtgctattt tcggctancn antcctcagc gnacacctat ngnagtgcgc naatttcatcc 300  
atgntggcct cgactnttcc aaaangccnt ncggccacnt gntcgcnana cantctcggc 360  
c 361

<210> 193

<211> 314

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 5, 7, 22, 101, 104, 232, 254, 282

<223> n = A,T,C or G

<400> 193

agggngnata taccactgg tncgactcga tcctatacgc gcatttcgga ttgccttcaa 60  
cggcgccggc atgtaccaaa cctcaatccc aaccgtctca ntngacggg ctcaagttctg 120  
tcacagccac cccacatttc ttttggggg tctgccactt caaaagaatt ccaaataaga 180  
attctgctgc agctccgtac aaggatatgg gcagcacagc acacacagag tngtgctcct 240  
cacacttctc tggnaatgtc tcgtgaatat ctcaacagtc angaagtggg gcgttatcaa 300  
aaacaatcag ggcc 314

<210> 194

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 4, 6, 22, 51, 64, 96, 108, 134, 156, 220, 221, 223, 264,  
273, 287, 302, 304, 314, 325, 336, 343, 358, 360, 361, 375,  
390, 428, 430, 443, 444, 446, 456, 463, 468, 474, 492, 509,  
522, 525, 530, 533, 540, 549, 550

<223> n = A,T,C or G

<400> 194

aggnngnata taccactgg tncgactcga tcctatacgc gcatgtcgga ncgttatgtg 60  
gtcnccgcaag taccttttgc gcaatgtatgg tctgtntctt ctatgtatnag tgatcgaata 120  
atcatcgaat tcancgaaat ttattcgagt gataatntgtg gcttgttagaa tctatgctcc 180  
atgggtgtggt cactgtcaag attaacacag aatgaaagan ncngcactgc ataaaagatg 240  
ttgtcaaatt ggggtgcgttg atcngatagc tcntcccaag aggtcattgg tggcaggat 300  
tncnacataa gatnttggat cacngacga ccagangata ccngtcaaa ctgtgaancn 360  
ngtaatctgc ctatncctgc cctctcggan gatccctcg ggacgacagag atcattctgg 420  
aaacagcnaa tgatagtcca gttnangatt gatgancgac ganacgcntg atanatgtct 480  
gacgtgagat tnggatgtga atcttccnt gtgtgacctg cncctaccn aanggtgcgn 540

ctccactcnn	550
<210> 195	
<211> 452	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> 1, 2, 8, 34, 41, 50, 55, 56, 93, 99, 113, 123, 132, 143,	
183, 214, 237, 244, 245, 255, 272, 293, 299, 301, 312, 335,	
345, 346, 359, 363, 371, 379, 384, 387, 406, 412, 413, 420,	
422, 434, 441	
<223> n = A,T,C or G	
<400> 195	
nngcgggnat gataccaaact ggtacgaact cganctctat nacggcgctn tttcnngatc 60	
tgctatgtgg tctcggcaat gtacattata acngggcana catataatct acntctgtct 120	
ttntctcccc cngagagcgc aancatctcc aaatcgggtt ctgggtcatc caatggtctc 180	
cantaatcac acaactcata tatatttatg gaangtgtct gtcatcgatcc ccacgangga 240	
agttnncgtcg ctgtntgtct gtcactagt gngtactctc cagtaactga aanctggtna 300	
nggctgtctg tngtactggc cggcgccctc gaaancgaat ctgtnnatcatc acatnacatng 360	
cgnccggccga ncatcaactna gggncanttc gcctatactg atcgtntgcg annccctgcgn 420	
cncttacacg tcgnacggga naccggcctt cc 452	
<210> 196	
<211> 429	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> 6, 7, 8, 21, 52, 103, 109, 201, 205, 222, 238, 277, 370,	
400, 421	
<223> n = A,T,C or G	
<400> 196	
gcgggnnnat gataccagct ngtacgactc gatcctataa cggcgcatgt gngtacggc 60	
tacgtgtctc ggcgtatgtac atataacggg gcaacatata atnatacant ctgtcttttt 120	
ctccccccggaa aacggcaacc atctccaata tcggctctggg tctccaatgg tctccaaacta 180	
aatcacacaa gtcaaataata nttanggaaa gtgtctgtct cttccccaga aggagtancg 240	
ttagctgttg tctgtcatta gtttggtacc tccagtnaca tggaaaactgg tgagggtgtc 300	
cttgcataag ctctgcctca ccagatccta tactattagg gggcccacgg ttatctatct 360	
taagggtctn aaaaccttggaa cttcatctgc tccggcggan gaatgtcccg cttacttacg 420	
ntgttccac 429	
<210> 197	
<211> 471	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> 14, 32, 38, 53, 57, 83, 100, 103, 115, 116, 124, 141, 145,	

170, 192, 195, 207, 237, 300, 318, 326, 354, 361, 369, 377,  
 409, 411, 416, 452, 461  
 <223> n = A,T,C or G

<400> 197

atgatacgc gctngtacga gccgtcacta tnacggcna ttgtgtggat tcngctntga 60  
 tcggcgcccc ggcatgtcca tcnagagcgc atcatggan tgnactcccc atatnntgac 120  
 caangttcgc gcaaggagcc naganccgat actacctgag ctgtcgtctn gttatacacg 180  
 tttctggcca angancaact ccacatncaa caagttggtg ttgaaaatgtt gtttatnagt 240  
 ccaccaaccg gccgctctgt cccttcccgta tgatccgaag ataagcttcc tgccggaan 300  
 acgaacggcg tggtgtgnng acatantgat atgtgcgggt caggaagtag tcgncgcaac 360  
 ncgcaagcna atctgcnata tcatacactg gcggcgctcg agctgccana ngcccnntcg 420  
 cctatatgag tctatacatt cctggccgtc tnttacactc ngacggggaa c 471

<210> 198

<211> 643

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 2, 5, 38, 55, 62, 98, 112, 125, 259, 295, 414, 436, 437,  
 462, 521, 563, 574, 575, 587, 601  
 <223> n = A,T,C or G

<400> 198

tngtncgacc gtcactatac gcccattgtgtt ggatccgntc cacggcgccg ggcangtacg 60  
 anactatatt gatccctctga tattgaaagt tggctctanca ataaccctta angcaaatac 120  
 ctcantgagt tttgaccaga agtcaccacca tcataatca cagtctatgg caaatgatac 180  
 cagtgtctct aagtccatg ctcaaggtaa gagcatgcta ttccgttta catttactgg 240  
 aatttactgt tcattcatna ttaaaatctc tagtttcat cctcaactgt ctaanaccag 300  
 tttgacaga cttaaagactc tggctccctc attttcttca acagaaacat tctcagtgtc 360  
 tactgttcta aaagggaaatt tccgaggtgg cacttctcgaa atatcgacc ctccggctct 420  
 atcaggcggtt acttcnngca ctgcgtcatttt gggcttgcattt anttgcattt tctgtccagt 480  
 cacttcattt taagaaaaca attgatcgctt ggtcacatgt nattcatgg cagccgggt 540  
 gactgttagt gtcgcgcac acnctagcaa tcgnnattctt ccatggngcg tcactctcta 600  
 naggccatcc cctatatgat ctataatctg gcgtctttac act 643

<210> 199

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1, 6, 21, 39, 59, 87, 129, 165, 186, 223, 225, 231, 256,  
 257, 261, 268, 272, 279, 287  
 <223> n = A,T,C or G

<400> 199

ncggcnggag ttgcgacttg nacgaccgat cctatacgnc gcatttctga tccgctacnt 60  
 gtccggcgag tctatgctat ttattnntga ttaaatcaat attttcttca tgaatattaa 120  
 tcttatctnt acttttatac tattgaccta gctatatgtt ttgancttt tgaactccta 180  
 tcagtnnttt tcatgctatc gtatatttc cacttggtagt ctntngctga ntcctagata 240

tcgtaaaaca tctctnnatc ntcacacnga gnccagggn tctgtatngaa tt 292  
 <210> 200  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 24, 67, 75, 96, 135, 155, 162, 166, 173, 181, 192, 197, 204,  
 225, 230, 244, 245, 254  
 <223> n = A,T,C or G

<400> 200  
 atacgcaagc ttggtaccga gctnggatcc ctattaaccg gccgcaatat tctggaattc 60  
 tgcttancgt ggtcncggcc gaagtactat gctatnttac ttttttggga tataaaatca 120  
 atatatttct ttctnaagta tataaatctt atccncgtat ctttcnatac ctntctgaca 180  
 ntaagcttat angtatntga tctntgttga actcctatca agtgnttctn catgctatcg 240  
 tganntcttc cacnttgta cctttacgc tgaat 275

<210> 201  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 3, 4, 5, 16, 23, 94, 116, 121, 135, 141, 168, 171, 173, 185,  
 196, 200, 212, 223, 224, 238, 239, 269, 271  
 <223> n = A,T,C or G

<400> 201  
 cgnnnnatcca gtgtanaccg tcnttacgcg cattctgatc gttcacgccc gcgtctttat 60  
 atctatctcg actgattcac ctgtcattgt aaanaattcg tgtcagctgt ctaccnctta 120  
 nacatcatct aatcnaacta ncctgataaa tttcttcaat agggatanac ntntagtaca 180  
 tacgnttcca ttgagntacn tccgcggacc cncatcgcaa acnnncatgcg gtcagtcnna 240  
 gcatcctcta tcttaatccg tccttacacct ntgaacgctc cact 284

<210> 202  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 93, 117, 124, 143, 144, 153, 172, 175, 186, 197, 203, 207,  
 212, 258, 266, 269, 272, 280, 284, 287, 294, 299, 301, 309,  
 311, 314, 345, 347, 358, 367, 369, 372, 378, 386, 388, 390,  
 402, 415, 416, 432, 437, 439, 446  
 <223> n = A,T,C or G

<400> 202  
 atgatacgca agcttgtacg actcggatca tataacggcc gcaatgtgct ggaattccgc 60  
 ttgcacggac gcccggcatg tactttata atnctactcc tcagacccctg catctcnacc 120

gctnggtcca gtttgtaaaa acnnacttcc gtngtgcagc cctggttctg ancantctct 180  
 atcacnctct atccctncat ccncaanact anatcgctg aattcatatt tattcatttt 240  
 ccataatgat ggggaaanga ctatcnctna tnatgcttan cacnctngct gcanttcgnc 300  
 natctcgcna ncntgaaac gattactctg tcgcaaccc tctangntga attctgcnaa 360  
 atatctntna cnctggcngg cgctcnangn atgcctctcg anggccaatc cgccnngcat 420  
 gattctaatt anatccntng gtcccnnntt 448

<210> 203

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 7, 18, 29, 48, 52, 71, 88, 91, 104, 109, 131, 143, 196, 201,  
213, 248, 254, 261, 287, 291, 298, 303

<223> n = A,T,C or G

<400> 203

gggtnaga tcgcagtngt acgaatcgnt catatacggc gcatgtgntg antcgctacg 60  
 tgcggcga ngtaccatataatcgaanta ncatagttct ggangccnc tcattttcaa 120  
 ttccccaaaa nacggaaaaa ccnaagcctt atttaactaa ctatctgctc gcttctcgct 180  
 tctgtaccgc gctatntgct nccagcctat aanaaggta aaacccacac tcggtgcgtc 240  
 agtccnat atantgagtc nccgggtact ggccggcgg tcgttcnaaa ncaattcnng 300  
 aanttacta ctggcggcgc c 321

<210> 204

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1, 5, 119, 137, 287, 289, 290, 326, 348, 355

<223> n = A,T,C or G

<400> 204

ntgtngttagt tacccagtgg tacgactcga tcctagtagcgc ggcgcagtgctg ctgaatcggtt 60  
 acttgcgcg gccaagtatc tataaagcaa actatcacag ttctgaaagt ccatttcant 120  
 ttcaaggccc aaaagancgg gaaaacccaa gccttattaa actaacaatc agtcgctctc 180  
 gcttctgtac cgcgcgtttt gccccccagcc tataaaaggta taaaacccac actcggtgcg 240  
 ccagtcatcg ataactgaat cgcgggtac tgcccgccg ggcgctcann ccaaattctgc 300  
 agatatcaca cactggcggc gtcancatg ctctagaagg ccaattcncc tatantgatt 360  
 ctattacaa 369

<210> 205

<211> 2996

<212> DNA

<213> Homo sapiens

<400> 205

cagccaccgg agtggatgcc atctgcaccc accgcccgtga ccccacaggg cctgggctgg 60  
 acagagagca gctgtatgg gagctgagcc agctgaccca cagcatcaact gagctggcc 120  
 cctacaccctt ggacagggac agtctctatg tcaatggttt cacacagcgg agtctgtgc 180

ccaccactag cattcctggg acccccacag tggacctggg aacatctggg actccagtt 240  
 ctaaacctgg tccctcgct gccagccctc tcctgggtct attcactctc aacctcacca 300  
 tcaccaacct gcggtatgag gagaacatgc agcaccctgg ctccaggaag ttcaacaccca 360  
 cggagagggc cttcaggc ctgggtccctg ttcaagagca ccagtgtgg ccctctgtac 420  
 tctggctgca gactgacttt gctcaggcct gaaaaggatg ggacagccac tggagtgat 480  
 gccatctgca cccaccaccc tgacccaaa agcccttaggc tggacagaga gcagctgtat 540  
 tggagctga gccagctgac ccacaatatc actgagctgg gcccctatgc cctggacaac 600  
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 accttgctca ggccagagaa agatggggaa gccaccggag tggatgccc ctgcacccac 960  
 cggccctgacc ccacaggccc tgggctggac agagagcgc tttattttga gctgagccag 1020  
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 aatggttca cccatcgag ctctgtaccc accaccagca cgggggtgtt cagcgaggag 1140  
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&lt;210&gt; 206

&lt;211&gt; 914

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 206

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 20 25 30  
 Asn Leu Val Pro Arg Leu Pro Ala Leu Ser Trp Cys Tyr Ser Leu Ser  
 35 40 45  
 Thr Ser Pro Ser Pro Thr Cys Gly Met Arg Arg Thr Cys Ser Thr Leu  
 50 55 60  
 Ala Pro Gly Ser Ser Thr Pro Arg Arg Gly Ser Phe Arg Ala Trp Ser  
 65 70 75 80  
 Leu Phe Lys Ser Thr Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu  
 85 90 95  
 Thr Leu Leu Arg Pro Glu Lys Asp Gly Thr Ala Thr Gly Val Asp Ala  
 100 105 110  
 Ile Cys Thr His His Pro Asp Pro Lys Ser Pro Arg Leu Asp Arg Glu  
 115 120 125  
 Gln Leu Tyr Trp Glu Leu Ser Gln Leu Thr His Asn Ile Thr Glu Leu  
 130 135 140  
 Gly Pro Tyr Ala Leu Asp Asn Asp Ser Leu Phe Val Asn Gly Phe Thr  
 145 150 155 160  
 His Arg Ser Ser Val Ser Thr Thr Ser Thr Pro Gly Thr Pro Thr Val  
 165 170 175  
 Tyr Leu Gly Ala Ser Lys Thr Pro Ala Ser Ile Phe Gly Pro Ser Ala  
 180 185 190  
 Ala Ser His Leu Leu Ile Leu Phe Thr Leu Asn Phe Thr Ile Thr Asn  
 195 200 205  
 Leu Arg Tyr Glu Glu Asn Met Trp Pro Gly Ser Arg Lys Phe Asn Thr  
 210 215 220  
 Thr Glu Arg Val Leu Gln Gly Leu Leu Arg Pro Leu Phe Lys Asn Thr  
 225 230 235 240  
 Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu Thr Leu Leu Arg Pro  
 245 250 255  
 Glu Lys Asp Gly Glu Ala Thr Gly Val Asp Ala Ile Cys Thr His Arg  
 260 265 270  
 Pro Asp Pro Thr Gly Pro Gly Leu Asp Arg Glu Gln Leu Tyr Leu Glu  
 275 280 285  
 Leu Ser Gln Leu Thr His Ser Ile Thr Glu Leu Gly Pro Tyr Thr Leu  
 290 295 300  
 Asp Arg Asp Ser Leu Tyr Val Asn Gly Phe Thr His Arg Ser Ser Val  
 305 310 315 320  
 Pro Thr Thr Ser Thr Gly Val Val Ser Glu Glu Pro Phe Thr Leu Asn  
 325 330 335  
 Phe Thr Ile Asn Asn Leu Arg Tyr Met Ala Asp Met Gly Gln Pro Gly  
 340 345 350  
 Ser Leu Lys Phe Asn Ile Thr Asp Asn Val Met Lys His Leu Leu Ser  
 355 360 365  
 Pro Leu Phe Gln Arg Ser Ser Leu Gly Ala Arg Tyr Thr Gly Cys Arg  
 370 375 380  
 Val Ile Ala Leu Arg Ser Val Lys Asn Gly Ala Glu Thr Arg Val Asp  
 385 390 395 400  
 Leu Leu Cys Thr Tyr Leu Gln Pro Leu Ser Gly Pro Gly Leu Pro Ile  
 405 410 415  
 Lys Gln Val Phe His Glu Leu Ser Gln Gln Thr His Gly Ile Thr Arg  
 420 425 430

Leu Gly Pro Tyr Ser Leu Asp Lys Asp Ser Leu Tyr Leu Asn Gly Tyr  
 435 440 445  
 Asn Glu Pro Gly Pro Asp Glu Pro Pro Thr Thr Pro Lys Pro Ala Thr  
 450 455 460  
 Thr Phe Leu Pro Pro Leu Ser Glu Ala Thr Thr Ala Met Gly Tyr His  
 465 470 475 480  
 Leu Lys Thr Leu Thr Leu Asn Phe Thr Ile Ser Asn Leu Gln Tyr Ser  
 485 490 495  
 Pro Asp Met Gly Lys Gly Ser Ala Thr Phe Asn Ser Thr Glu Gly Val  
 500 505 510  
 Leu Gln His Leu Leu Arg Pro Leu Phe Gln Lys Ser Ser Met Gly Pro  
 515 520 525  
 Phe Tyr Leu Gly Cys Gln Leu Ile Ser Leu Arg Pro Glu Lys Asp Gly  
 530 535 540  
 Ala Ala Thr Gly Val Asp Thr Thr Cys Thr Tyr His Pro Asp Pro Val  
 545 550 555 560  
 Gly Pro Gly Leu Asp Ile Gln Gln Leu Tyr Trp Glu Leu Ser Gln Leu  
 565 570 575  
 Thr His Gly Val Thr Gln Leu Gly Phe Tyr Val Leu Asp Arg Asp Ser  
 580 585 590  
 Leu Phe Ile Asn Gly Tyr Ala Pro Gln Asn Leu Ser Ile Arg Gly Glu  
 595 600 605  
 Tyr Gln Ile Asn Phe His Ile Val Asn Trp Asn Leu Ser Asn Pro Asp  
 610 615 620  
 Pro Thr Ser Ser Glu Tyr Ile Thr Leu Leu Arg Asp Ile Gln Asp Lys  
 625 630 635 640  
 Val Thr Thr Leu Tyr Lys Gly Ser Gln Leu His Asp Thr Phe Arg Phe  
 645 650 655  
 Cys Leu Val Thr Asn Leu Thr Met Asp Ser Val Leu Val Thr Val Lys  
 660 665 670  
 Ala Leu Phe Ser Ser Asn Leu Asp Pro Ser Leu Val Glu Gln Val Phe  
 675 680 685  
 Leu Asp Lys Thr Leu Asn Ala Ser Phe His Trp Leu Gly Ser Thr Tyr  
 690 695 700  
 Gln Leu Val Asp Ile His Val Thr Glu Met Glu Ser Ser Val Tyr Gln  
 705 710 715 720  
 Pro Thr Ser Ser Ser Thr Gln His Phe Tyr Leu Asn Phe Thr Ile  
 725 730 735  
 Thr Asn Leu Pro Tyr Ser Gln Asp Lys Ala Gln Pro Gly Thr Thr Asn  
 740 745 750  
 Tyr Gln Arg Asn Lys Arg Asn Ile Glu Asp Ala Leu Asn Gln Leu Phe  
 755 760 765  
 Arg Asn Ser Ser Ile Lys Ser Tyr Phe Ser Asp Cys Gln Val Ser Thr  
 770 775 780  
 Phe Arg Ser Val Pro Asn Arg His His Thr Gly Val Asp Ser Leu Cys  
 785 790 795 800  
 Asn Phe Ser Pro Leu Ala Arg Arg Val Asp Arg Val Ala Ile Tyr Glu  
 805 810 815  
 Glu Phe Leu Arg Met Thr Arg Asn Gly Thr Gln Leu Gln Asn Phe Thr  
 820 825 830  
 Leu Asp Arg Ser Ser Val Leu Val Asp Gly Tyr Phe Pro Asn Arg Asn  
 835 840 845  
 Glu Pro Leu Thr Gly Asn Ser Asp Leu Pro Phe Trp Ala Val Ile Leu  
 850 855 860

Ile Gly Leu Ala Gly Leu Leu Gly Leu Ile Thr Cys Leu Ile Cys Gly  
 865 870 875 880  
 Val Leu Val Thr Thr Arg Arg Arg Lys Lys Glu Gly Glu Tyr Asn Val  
 885 890 895  
 Gln Gln Gln Cys Pro Gly Tyr Tyr Gln Ser His Leu Asp Leu Glu Asp  
 900 905 910  
 Leu Gln

<210> 207  
 <211> 2627  
 <212> DNA  
 <213> Homo sapiens

<400> 207  
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 gagacactcc atcacagtca ctactgtcgc ctcagctggg aacattgggg aggatggaaat 240  
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 cagctgggtt gatttgcggc cccatctccg gggaaatgtc tgaagacaat tttggttacc 1860  
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<210> 208

<211> 282

<212> PRT

<213> Homo sapiens

<400> 208

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Ile	Ile	Leu	Ala	Gly	Ala	Ile	Ala	Leu	Ile	Ile	Gly	Phe	Gly	Ile	Ser
															30
Gly	Arg	His	Ser	Ile	Thr	Val	Thr	Thr	Val	Ala	Ser	Ala	Gly	Asn	Ile
															45
Gly	Glu	Asp	Gly	Ile	Leu	Ser	Cys	Thr	Phe	Glu	Pro	Asp	Ile	Lys	Leu
															60
Ser	Asp	Ile	Val	Ile	Gln	Trp	Leu	Lys	Glu	Gly	Val	Leu	Gly	Leu	Val
															80
His	Glu	Phe	Lys	Glu	Gly	Lys	Asp	Glu	Leu	Ser	Glu	Gln	Asp	Glu	Met
															95
Phe	Arg	Gly	Arg	Thr	Ala	Val	Phe	Ala	Asp	Gln	Val	Ile	Val	Gly	Asn
															110
Ala	Ser	Leu	Arg	Leu	Lys	Asn	Val	Gln	Leu	Thr	Asp	Ala	Gly	Thr	Tyr
															125
Lys	Cys	Tyr	Ile	Ile	Thr	Ser	Lys	Gly	Lys	Gly	Asn	Ala	Asn	Leu	Glu
															140
Tyr	Lys	Thr	Gly	Ala	Phe	Ser	Met	Pro	Glu	Val	Asn	Val	Asp	Tyr	Asn
															160
Ala	Ser	Ser	Glu	Thr	Leu	Arg	Cys	Glu	Ala	Pro	Arg	Trp	Phe	Pro	Gln
															175
Pro	Thr	Val	Val	Trp	Ala	Ser	Gln	Val	Asp	Gln	Gly	Ala	Asn	Phe	Ser
															190
Glu	Val	Ser	Asn	Thr	Ser	Phe	Glu	Leu	Asn	Ser	Glu	Asn	Val	Thr	Met
															205
Lys	Val	Val	Ser	Val	Leu	Tyr	Asn	Val	Thr	Ile	Asn	Asn	Thr	Tyr	Ser
															220
Cys	Met	Ile	Glu	Asn	Asp	Ile	Ala	Lys	Ala	Thr	Gly	Asp	Ile	Lys	Val
															240
Thr	Glu	Ser	Glu	Ile	Lys	Arg	Arg	Ser	His	Leu	Gln	Leu	Leu	Asn	Ser
															255
Lys	Ala	Ser	Leu	Cys	Val	Ser	Ser	Phe	Phe	Ala	Ile	Ser	Trp	Ala	Leu
															270
Leu	Pro	Leu	Ser	Pro	Tyr	Leu	Met	Leu	Lys						
															280

<210> 209

<211> 309

<212> PRT

<213> Homo sapiens

<400> 209

His Ala Ser Ala His Ala Ser Gly Arg Gln Arg Gln Leu His Ser Ala  
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 Gln Ile Leu Phe Trp Ser Ile Ile Ser Ile Ile Ile Leu Ala Gly  
 35 40 45  
 Ala Ile Ala Leu Ile Ile Gly Phe Gly Ile Ser Gly Arg His Ser Ile  
 50 55 60  
 Thr Val Thr Thr Val Ala Ser Ala Gly Asn Ile Gly Glu Asp Gly Ile  
 65 70 75 80  
 Leu Ser Cys Thr Phe Glu Pro Asp Ile Lys Leu Ser Asp Ile Val Ile  
 85 90 95  
 Gln Trp Leu Lys Glu Gly Val Leu Gly Leu Val His Glu Phe Lys Glu  
 100 105 110  
 Gly Lys Asp Glu Leu Ser Glu Gln Asp Glu Met Phe Arg Gly Arg Thr  
 115 120 125  
 Ala Val Phe Ala Asp Gln Val Ile Val Gly Asn Ala Ser Leu Arg Leu  
 130 135 140  
 Lys Asn Val Gln Leu Thr Asp Ala Gly Thr Tyr Lys Cys Tyr Ile Ile  
 145 150 155 160  
 Thr Ser Lys Gly Lys Gly Asn Ala Asn Leu Glu Tyr Lys Thr Gly Ala  
 165 170 175  
 Phe Ser Met Pro Glu Val Asn Val Asp Tyr Asn Ala Ser Ser Glu Thr  
 180 185 190  
 Leu Arg Cys Glu Ala Pro Arg Trp Phe Pro Gln Pro Thr Val Val Trp  
 195 200 205  
 Ala Ser Gln Val Asp Gln Gly Ala Asn Phe Ser Glu Val Ser Asn Thr  
 210 215 220  
 Ser Phe Glu Leu Asn Ser Glu Asn Val Thr Met Lys Val Val Ser Val  
 225 230 235 240  
 Leu Tyr Asn Val Thr Ile Asn Asn Thr Tyr Ser Cys Met Ile Glu Asn  
 245 250 255  
 Asp Ile Ala Lys Ala Thr Gly Asp Ile Lys Val Thr Glu Ser Glu Ile  
 260 265 270  
 Lys Arg Arg Ser His Leu Gln Leu Leu Asn Ser Lys Ala Ser Leu Cys  
 275 280 285  
 Val Ser Ser Phe Phe Ala Ile Ser Trp Ala Leu Leu Pro Leu Ser Pro  
 290 295 300  
 Tyr Leu Met Leu Lys  
 305

<210> 210

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 341, 447, 451, 458, 535, 573, 650, 681, 683, 725

<223> n = A,T,C or G

&lt;400&gt; 210

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 tacatgcgga atggaaaagca ggcgctcagg gtggctcctg ctggaatgag agctggagt 180  
 caggctccgt ggttcttggg catgcgggtg tggctcagg ttcaccttgc agatggagt 240  
 ggactgttga cccaggccag cctggggact gcctcctcac ctccctgcgc aggctgac 300  
 tgcaccccttgc cctcttgc ttcacccatc cctggccaga ngtccttgg gcaaaatgga 360  
 ggtcgagagg catttggcac tcacgcctca ccacggacac tggtgcatc ttgggtac 420  
 ctggcctca atctattgtt gggggangga ngactgangc ccattgctgg ggcctgaa 480  
 gcagggactg taaccaccca tccccttctc agggcacctc tccctctcca gcacncttgc 540  
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 ccttgcgcgca agcaaatttt tatcccttagg gttaaagataa cagaaggcan ccttgggc 660  
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&lt;210&gt; 211

&lt;211&gt; 946

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

<222> 530, 540, 574, 608, 661, 719, 722, 734, 735, 785, 786, 807,  
 811, 827, 829, 835, 840, 865, 877, 894, 898, 899, 921, 924,  
 927, 935

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 211

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 tcaggttcaa aaggaggaga aaatgtcaag caagacaaaa acagatgaag caaccaaaaa 420  
 agtgcatacg ctggcacctt atattgaaat ttcagaacat gagtgataaa ggactcccag 480  
 aaaaaaaacaa aacccaaact aaaaaacaga aaaaaaggac ttaccacccn aaaacttgan 540  
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 aaactgaggg cttagcaagg gcgggnattaa ccacccnngg tccccccca aaantggng 900  
 gggtggccccc caaattcggg ntnttncct ttaangcgtt aaaccc 946

&lt;210&gt; 212

&lt;211&gt; 610

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

<222> 67, 278, 281, 287, 401, 462, 483, 486, 532, 542, 547, 562,

563, 585, 593

<223> n = A,T,C or G

<400> 212

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 gtgacgtggg acactgcagc tcggccagag tggtaaaaaa tgcctgttg tacgctttc 240  
 tggcttgcc cgtctatctg ctccaagcca ggctgganga ngagganaag gaatcacctg 300  
 tggtacgctg gagcctgcat gtggcgtgac tctgcaactc gcctcggtg actgatggca 360  
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 aancangcgc gttgcatgca tccggccagt gtctgtgcca cgtgccctga cnccacctt 540  
 anataancac ccggaacgcg cnncgcgcag gccgcgcga cacgnccggg cancaactt 600  
 gctggcttcc 610

<210> 213

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 5

<223> n = A,T,C or G

<400> 213

ccganagcggtttaaacggg ccctctagac tcgagcggcc gccctttttt tttttttttt 60  
 aaataaaattt ctagattatt tattacataa gcagaccact gaaacatttta ttcaaaagta 120  
 ttccatttag agtcaaaaac atattgatatt gattattttt ggtctgtta agaaaacaaa 180  
 ataaaaagaa caaactggaa attatcaata aacaatcaa aacttagatg taattataac 240  
 ctaaaagggtcacaggggca atgtgaagca agttctgtc tcagagcctg catatggaa 300  
 acatgttagta cttagcttttgcatcttttctttt tggttgagtt taagtattaa 360  
 taaaaggtgg actgagaaaaa ctttttttta caatcttatg gggattttt agtggaaacg 420  
 ttttagaagt aggaatat 438

<210> 214

<211> 906

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 14, 302, 324, 432, 444, 461, 498, 528, 561, 585, 617, 645,  
 660, 669, 699, 701, 760, 781, 824, 835, 849, 863, 872, 875,  
 881, 888, 893

<223> n = A,T,C or G

<400> 214

gccctctaga tcgngcggcc gccctttttt tttttttttt gaaataaattt tctagattat 60  
 ttattacata agcagaccac tgaaacattt attcaaaagt attccatgtgagtc 120  
 catattgata tgattattat tggctgtta aagaaaacaa aataaaaaga acaaactggg 180  
 aattatcaat aaacaaatca aaacttagat gtaattataa cctaaaggc tcacagggca 240  
 aatgtgaagc aagcttctgt ctcagagcct gcatatggaa gacatgttagt acttagctt 300

gncatcttc tttccttc cttc ttgnttgagt ttagtattaa taaaagttgg actgagaaaa 360  
 cctttttta caatctttagt gtttattttt agtggaaacg ttttagaagta gaatatacat 420  
 attaaaactg cncagaacaa atgnggtgca tctcaaattgg ngttccattt tcaaaatatg 480  
 aacacatatg ggcagcattt ttttttttaa aaagtcagaa ggggcctnct catgcccctt 540  
 tccacttctt cactcattgg nccttcaacc caagcttaac tactntcctg acctccaaca 600  
 tcaataacta gtttccnagc tttgaaactt ttttccaatg agtnttaccg gaatagatgn 660  
 tcacagaanc ctcttaaaaaa ttttggaccc tgcccggnnt ntaaaaaggg tgaataaac 720  
 ccaccaacat ctggctggg ggggcagggg ccaaaagaan ttcccaaaac cgttttgat 780  
 naaaaaaggg gactttgaa aaaaaaattt aaattttgc cagnaaagca tgggnccccc 840  
 cccttgaana aacccttgc atnaaaccctt ctttntggg ntttttngg tanggaaaa 900  
 ctggct 906

<210> 215

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 188, 294

<223> n = A,T,C or G

<400> 215

ggcacgagga aaccagggtt gctgggtttt gggtgtaaac taaaaatga caatcagcat 60  
 gagctggccg tgggctgtgg gggttgttagg ggcattttgg taagggaaacc ctcgctcagt 120  
 ccctctctgt tctgggggg aggacaagga gggccaatag gggccaatag ggaggctgct 180  
 gotaggangg tttcctaaaaa gaacagggtt agggctaggg ctggttctt gttcaggttg 240  
 ctctggcag tgatttatat ccacacactt ttctgcaaag tgccttaagg aganggcagg 300  
 gataggatgt tc 312

<210> 216

<211> 341

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 8, 14, 30, 40, 45, 51, 69, 84, 91, 95, 112, 115, 117, 136, 142, 145, 176, 189, 191, 226, 227, 231, 236, 294, 314, 331,

332, 340

<223> n = A,T,C or G

<400> 216

taagcctntc gaanataatg aatgagtcan ggagaggctn atgangaaat nccaaacacc 60  
 tgactaatng gtgccacatg attncaatgg nctanacatg gtttagatct cntcngngga 120  
 atgagcaata acacccnttaa antcntcaat tgacccatg acttcacact tgaanatca 180  
 tcactttttaa ngaccacgaa tggatgtttttaa gaatcacatt ttgtgnngaa ntggantctg 240  
 gctacttttaca cgaacagatt cttattccctg ttcattgagcc agtagacccg gaanaagact 300  
 taagagcttc tgancttctt cttagctcca nngcttgaan g 341

<210> 217

<211> 273

<212> DNA

<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 1, 2, 8, 15, 18, 36, 41, 59, 60, 70, 77, 81, 91, 96, 97, 101, 110, 123, 149, 173, 174, 176, 191, 195, 202, 218, 227, 228, 232, 241, 244, 253, 262, 269

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 217

nnccttcncc ccttnacnga catgaacaaa acagcngtct ngaaatttta ttaacattnn 60  
 aagggttacn ctcctnctt ntgtttccg nttaanncta nacctgcgcn gggcgccg 120  
 atncagccct atagtgagaa gcctaattnc agcacactgg cggccgttac tanngnatcc 180  
 cgactcggtta ncaanttttngntaaagat ggacataact ctatccnnga gnactcgtca 240  
 nccnttctct atnttacatg cnctaacgna gac 273

&lt;210&gt; 218

&lt;211&gt; 687

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 56, 59, 74, 123, 138, 169, 177, 183, 187, 205, 227, 229, 237, 238, 245, 253, 329, 334, 372, 456, 474, 480, 516, 558, 563, 564, 584, 593, 599, 611, 636, 639, 670

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 218

tttcagtc tgttttgttc tcaattttga tgtcaaaatc tctgggttct tctaancng 60  
 ttatgttctt ccancaaatc cttccagttt ttgtatattt tttctatatc agaagcgcct 120  
 gancccaatg cccaaatnat acaccggct tctccggaac gcttggtcna aagggtntag 180  
 tcnatnggc tcctggaagc atctnaatg ctccaggtta ctcccangnc cctggannac 240  
 ttcantggtc tanacaatc ctggtttgc agcgttcctt gatatcgaa gaaaatacgg 300  
 taaaaattat ccaagctctc ttcccactna gganttcgga tctcatcagc cggtaaagg 360  
 aaaactcctc angaagtttg ggcttccct ccggcttacc ggctaatgtt aggaattact 420  
 tctggctctc ttccgataca tcctctctc aaagttaaga aggttaaaag aatnttaacn 480  
 tctcccagtg gctaattggc aaacaccatc ctcatnagtc agactgggt ttcgaaagg 540  
 ggatataacc tccttgcna ttnnaattaa aaggattaa ccanatggac tanccctcnc 600  
 cccgggattt nctctctcac aggagaagg gtctccncn ttggctcatc cgaagcatag 660  
 gcaaaccncn gggaaattttc agaaacc 687

&lt;210&gt; 219

&lt;211&gt; 247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 10, 16, 54, 74, 89, 91, 118, 122, 130, 131, 138, 147, 154, 156, 163, 184, 185, 215, 233, 241

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 219

ggcccttcn ccttnaatc gagagatcca aggtcaagg catgaaatac cagnctataa 60

aatgtctcaa gacntaaata atacggatng ngatagagag gttgaataat aaatgaanaa 120  
 anatgaaagn nattatgngg gaatacnaaa aaancngact aanggcgca ctgctggca 180  
 tggnnaaatc ggattaattc ctcataggac agccnaaccc cttaaaatct canttccgt 240  
 nacccga 247

<210> 220  
 <211> 937  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 73, 867  
 <223> n = A,T,C or G

<400> 220  
 cgggctcgag tgccggccgca agctttttt actatagacc aatattaaag tcagtttgt 60  
 tccaaataca gantggaaa actaaagtaa aatatttaat gggagaatat ctgcattctga 120  
 atatgtcaac tgtttgcata tttcagcta tttaatcctt ctacctgtat ctcagaaaca 180  
 aatttaaaaa ttaatagatt tgacagcaaa atcattcagc actttactta ctccatcagc 240  
 aaggtattta ttagtgcatt tccatccatg tggccaaact gaaaatccct aaccaccacc 300  
 aacccaaaaat aaataaataa aaggagaggg ggtgggggga gagagagaga gaaagctcat 360  
 taaatagtaa aaaagtaaat aaaacaatga agttaaattc aggcctcagt agggccagaa 420  
 actgtaaaca tttcacatgt aaatcatata caataaacac tgctaaaagt gtaaattcta 480  
 ctggcttctg agatacaaatac acacgagtag aggaattct aagacattc tacttggtt 540  
 atgcattattt aaaattcagg gaaatatcag ctattctacc taaaatatgt ttaagaaaaa 600  
 ttcctatttt ctctaaaaaa aggaataatc agaagacgct acataactatg taagaaaaact 660  
 atacaatgac ccatcattag aagattcaga atagaaaga aataataatt cactaataaa 720  
 atatatttat attgactgtc tttttttatg atagcaacaa tgattcagca taaagtaaaa 780  
 atatatgtat ttccgatgcc attttttattt cagttattct tttgagttc tggtagaata 840  
 attatctgcc tatctctgac ttctgancag tcatttatgt ccaattataa gtacatgtgc 900  
 atattttattt accttaaacg cctctcaat ccttca 937

<210> 221  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 7, 8, 9, 12, 13, 16, 20, 24, 27, 29, 30, 45, 50, 88, 126,  
 269, 287, 293, 309, 310, 311, 312, 320, 328, 329, 335  
 <223> n = A,T,C or G

<400> 221  
 ggctatnnna tnnttnaan atcntgnncnn ctttgacgct gttantaaan aaaaacaaac 60  
 gaatatcctt tttttgcctt cccctgtncata gatactaatac tcacactaat acttacagta 120  
 taactnttcc tttcaactac caatattaaag ttccaaagccca cctgggctta agtatccca 180  
 caacttaggt aattttgtgc taaccacccat actatatgct aattataaca ctctaagccc 240  
 caaggaattt ttgttcagat ttcttatant ttccacttat aaatatnatt ccncctctat 300  
 gggatataa nncctctagn cccatatnncc ccacngggat ttgttgaggg ggc 353

<210> 222  
 <211> 813

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 638, 661, 664, 694, 709, 717, 722, 726, 743, 750, 752, 759, 760, 766, 784, 790, 799, 800

<223> n = A,T,C or G

<400> 222

ggcacgaggc tttactaagg ccagactcac tatccccgt tctgttctgt ggtacactgt 60  
 tcactcctca gtccatccta acctgacttc ctggccactg cagctctcc gataagggtc 120  
 agcagtggct tagttattgc taaaataataa gcgcacatgc actcccttct tcctgaaaca 180  
 ttgtccctcc ttgggttctg ttccctccta ggtctcctat cactcctct tagtcttctg 240  
 tgcggacttc tggccatctc gccccttaaa agttgttatt ttccaggatt ctgtccttagg 300  
 cccacttact tctcattctg cacgttctg ttggatgatt ctatcacatc cctaaacttct 360  
 gtcgcccagt atgcacttaa aattcccaa tctgtatatac tggatctggc ctgtgtctct 420  
 agcctagaag tggctttat cccagaagca cctcaaacac tgcactttgg aaattaagct 480  
 tactgagtct cgaatctcaa gtcggaaact gacttcttt tctctatattt ggttagtgac 540  
 aacacttattt attcagtcata gcaaaaccaga gcccgtgagaa ccatcttaca ttctctttct 600  
 ccctttaactc agttcttgc tctgttctt ctccctcncc tctcctgcct gtggcctag 660  
 ngncattaa ctgggtggca ctgctttact ttcnattttt ttggctganc taaccnnaag 720  
 ancctnttgc agggccctt ctntcaggcn tnacttctnn caagancccc cgaaccaga 780  
 tccnngggan tgctatggnn tggaaatatt ttg 813

<210> 223

<211> 882

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 753, 781, 810, 829, 835, 861, 863, 871, 875, 880, 882

<223> n = A,T,C or G

<400> 223

tcacactact gagaagcagg gaaacccact gaaaggcac gtttcttaac ctcagaatgg 60  
 ggctactagc ctctaaagca gaaattgcgt ttgttttagt atttccatgg tctgctgcaa 120  
 ggcgtggcct ttacccaatg gataaaatgcg tacaaggctc ttgtgagcag tcaagttct 180  
 cgaggtttac agttgaaggg aagtggatt gtttccctgc gcatttaaat gaaggttagt 240  
 gggtgatcac ctttccttaa atgtgtgaag ggtgatgat aagagatagg catcttaatt 300  
 gcaactgatg gccttcaggat gaggacaggc atgagccaac tgaagcttgc acaattgtgc 360  
 tgaacccaaa acttcaaaaaa caagaaaaaa catagactgg ctgaaatgat ctaagtcaac 420  
 agagcatggc cagcgcttca tacaaggcag gaccacaggc gaacactgac agcccaggag 480  
 gcactgagac agaggcagtg gaaagaagtg acagacccca gggactcccc accaacagca 540  
 gctgctgttg attagaacc cccagtagac tgcaggcac ctggtagtgg agaggctacc 600  
 aaggccccggc ctggagagga gccaaaggaa gaaacagtgc agtgcattaa cccctctggg 660  
 tctgccccgtg tccataccccc tagggagatt ccatccaga agtggacata ttcccacaga 720  
 gtgcctgggg ctcactcatc acagctgcc ctnatgaag gcattctcac tgcagcctta 780  
 ncagggaaaca gggcattttg cattaggcan cttgctgtcc tagaaggcnc cgggngtccc 840  
 tacactgccc atgttccaa ngnggttcaa ntcnnaaan tn 882

<210> 224

<211> 660

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 77, 104, 116, 157, 169, 198, 253, 273, 325, 327, 330, 336,  
 350, 357, 361, 400, 434, 443, 478, 511, 555, 582, 596, 613,  
 622, 641, 651, 660  
 <223> n = A,T,C or G

<400> 224  
 gattaaactc aatcattcac ccgggctcga gtgcggccgc aagctttttt tttttttttt 60  
 tttttttttt ttttggncct ctgggcttgt gccccgaagg ggantgctgg gccacntggg 120  
 tgccgtgtt tgattttctg ggacctgccc ccccgtncc cgccccggnt gccgcgtctc 180  
 actccccgccc gcgggtgcnag gggccccgtg tgccgcgcac cttccaccc gtgtttgtct 240  
 gtttttttga ctntggcgt cccaggggtg cancggccgt gggggccctgg tttgctttca 300  
 cctcttcatac tgctcaactgg ccgcnантgn gtctttca aacaaacgtn tgaaggncaa 360  
 nccctgggct cctgtgaacc cggccgtctt tgcggcaan tctgaggctc cttcgattt 420  
 ctggatccgg cctntggcgt gangcgtgct ctgcaggcac tgctcccatt gctggcancc 480  
 ttttctcccc gtggccgcccc ggccgcccatt naaaggcggt gcaaacgccc gcctcgcca 540  
 gcgcaaagtc aaacnccgggt ggcccgcgga ccccccggcg gncgggaaca ccccanccagg 600  
 cgggcaccac aanaagcgcg gncctccggc gtctaaaact nccatgtggc ncccccccg 660

<210> 225  
 <211> 438  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 62, 171, 179, 192, 209, 278, 287, 292, 362  
 <223> n = A,T,C or G

<400> 225  
 aaaaaaaaaaag gaaaagtacc cagtgcctc agcttctgag cctcctctac agccctgttg 60  
 gnttttaaac ctgtgccctg tgtctgtgtc cccacttaat atatatagtt cacagctgga 120  
 gagatggctc agccaggaga gggaccata ggtctgtgaa ttccagagga naggcaggna 180  
 tttataggtg gntctgtcag gtgaaatcng aggagccaa gctattgtat gtgcataatgt 240  
 cagccgggct ctgtgggagg tgggttaaga cctatgnat gggacangtg tncacgctgg 300  
 gatctctggc cggttccgaa aagtgaggat caggtatgg gtggctgatt gcacaagttt 360  
 anaaccagg attagggaca cacaggtcag cacctgcctc tcagcatcct gactgggtgt 420  
 gatggcata ctcaaggc 438

<210> 226  
 <211> 480  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 416, 422, 451, 466, 470, 479  
 <223> n = A,T,C or G

&lt;400&gt; 226

aaaattaaaaa caaaaaggat cttagaggc cttacttca gtggttctca atgtcagagg 60  
 atgttatgat acctaataa aatctccagg ggaactgtt tgaactcaac agactcttc 120  
 ctgttcttag agactctggc aaagttgggaa gagctgccag gtactgtcca catgaccctg 180  
 actgcccatg attcaattac cttgaatggc ttatccagtc caataccctc atttcttaca 240  
 tgagggaaact gaagcacgta tcacatagtg atacaatgaa aacttggcct taatcgattt 300  
 tcagtgctgc cagtacaatg tcttgagcat atcaatttct tccaaccctt gacaacataa 360  
 ggtacgacca tcaaattttt tatttctgct aatttattag accaaaaaaaaa aagggnatct 420  
 cncccattgt tttacaggga tgattttatt ncagaggatt tcatcntggn gctgattcnt 480

&lt;210&gt; 227

&lt;211&gt; 423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 312, 395

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 227

cattgtgttg ggctctgctt agcacatcac atcggagcac agaggtgacc tttctgcca 60  
 caggatgtt caccttagtc acctgattga ttccctttca ctttggtcac gtgattcctc 120  
 caggaggatg ttcaccttgg tcgcctgatt cctccaggag gatgttcacc ttgtcgccct 180  
 gaccacacag gcatctatca ggctttctca ctgcagccac tatgtccca taatggatga 240  
 gtgtcttgg gagagatgt ccaaatacaca ctgatacctt ttgcctcata cggcctcacc 300  
 ccccaacaat cnaccactaa tgactgcctc atagcagttt ttccatttcc acagttcctt 360  
 ctatatgtat taattgtcat tctactataa agaanactt ttctttaaa aaaaaaaaaa 420  
 aag 423

&lt;210&gt; 228

&lt;211&gt; 249

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 228

cattgtgttg ggctgttagta aaatatgtgt ctggtaagat atgtgaagaa ataaaataag 60  
 atcaattaaa tctggcccat tgaatgacac attaattgtt tattatatg taatgttaaa 120  
 gatatttagga gatggggaa cattatggca aactaaattt gggaggaggt tgaattgtat 180  
 aatttatgaa atcctaaagt ctagtacatt aacactctt actgtcaact tttcaaagca 240  
 gtgagaaac 249

&lt;210&gt; 229

&lt;211&gt; 436

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 229

cattgtgttg ggatgttatac tgaccatcac aatatgattt ataatatgga ggcattaaatgt 60  
 catttctcat tggggcagga gtgtggcaag gggaaagaag agctttacca attaactcaa 120  
 gattatttgg tgacatttct cttacctttt aggtgaggag aaagagacag aggatggaga 180  
 attgggtgctt ttagtattgtt gatacattaa gctgcctgga agcagatgtt aaatcctatt 240  
 gaaaataatt ttatttgcgt tttgctttagg gcattgttta gcaaaaataact acacaaaaag 300

tcttgacctg tgcgttgaa atggcagatg ttcacagtga ggactgagcc ttggggcaac 360  
 atcaatcttc acaattctgc acctattgc tcaataactg gcttgggtgg aaaaaaagg 420  
 aaaaaaaaaa aaaaag 436

<210> 230  
 <211> 760  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 13, 14, 27, 66, 105, 194, 227, 239, 520, 537, 563, 597, 604,  
 646, 675, 686, 704, 716, 751  
 <223> n = A,T,C or G

<400> 230  
 cattgtgtt ggnngtggaa gaaaaantt gaggcaatga agctaaacat aaaaagaggaa 60  
 aagcanatgt tacctcaatg accacaatct acaaagtcca aatanaaaaac ctgggagtt 120  
 gataggatga aactataacc tccagcaaag agcttaacag caattaaaaat aaagacaaat 180  
 ttctggatg gatnagacaa agtagcatat attacaagg aaaatanact agtatcatnt 240  
 acgtttgatt aagtaactgc tttcaaataa ttgaatcata aacaatgatt tctgcggttt 300  
 taagctcatt attttggttc cctggtttct cctaggatgc agtataaaat ctccatgcct 360  
 gatgtttatg taccaacaga agctgctgtc tcttctttc attatttctt ttttaagtga 420  
 aagttataac ctttatatg ttacagagaa gaggcagaaa aagccacact cccactatgc 480  
 tattaaatgc cctgaggatc aactgagggaa tgattatacn catggctgaa tacagtntat 540  
 tcattttttt ctttgatttgc tanataacaa aagggtgtat tctgtaaat cttgtgncaa 600  
 ttanccaaat gttaaggcga aatggaatc tttcaaacaa gtgtntaaa caggttttga 660  
 tttccaaaaa ttantatta gaaccnnttc aattctggaa gtncccaat ttccangttt 720  
 tgtttctct tccaaattttt ctttcctttt naaattcccc 760

<210> 231  
 <211> 692  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 20, 44, 47, 76, 92, 94, 105, 121, 123, 131, 146, 168, 208,  
 213, 218, 267, 269, 312, 331, 333, 341, 357, 374, 403, 437,  
 450, 451, 465, 492, 493, 501, 508, 531, 542, 560, 570, 588,  
 593, 600, 617, 619, 643, 651, 652, 653, 672, 692  
 <223> n = A,T,C or G

<400> 231  
 cattgtgtt ggggtgctn tggggagaac acgcttatgt tganatnggg ctcccccaga 60  
 aagcctcatt gacacnttcg aataaggacc ctnngggaaa ttcangtgc ttgtggacat 120  
 ncntagataa natcaaaggc cttgangaag tccgcctggc accttccngt ctgcgaggag 180  
 gttgataccca aatgctaagg ggtccagnngt cantgtanta tcgtgagatc agagtgtatgg 240  
 gcagggtgtgg gcatgcgggc cctcaanang aagtgcggcag gatgactcag acttatgcct 300  
 atatccatttc antcctgttc attatttttca ncntccctc naaggacccc caattttaac 360  
 cattgttat tcangctat acttataaaa gtcattttt ttnagtcgg gtgatattaa 420  
 aaccatttgg acgcccangca tggtggctcn nggctataa tcctntccac cttggggaaag 480  
 ccgaagctgg tnnaatccct naaggcngg aatttggaaa ccattcctggg ncaacattgg 540  
 gngaaaccct gtctctactn caaaaaacan aaaatttctt ggggcctngg ttngcaggtt 600

gcctgaaaat ttcccancnt tactccggga aggccgaatg ccntaaaaaa nnnaccttta 660  
 acccccccga anggcggaa agtttccatt tn 692

<210> 232

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 10, 13, 35, 38, 60, 66, 71, 77, 90, 105, 117, 118, 151, 154,  
 157, 164, 177, 181, 193, 230, 235, 238, 243, 247, 250, 255,  
 267, 273, 277, 279, 284, 293, 309, 320, 322, 334, 357, 370,  
 372, 373, 380, 386, 388, 398, 402, 410, 446, 467

<223> n = A,T,C or G

<221> misc\_feature

<222> 476, 477, 479, 504, 510

<223> n = A,T,C or G

<400> 232

actcaaatgn ccncttgaag gtcacccaga ctcanaangt gtcaagctt gggggggtn 60  
 gtaatnaata nctcggnctc ctgattagtn ctccttagtc gatcnctggc tgagatnngt 120  
 tcgagcaccc ttcctttgat cccgtcaaaac nccnggnaaa agcngcctgc gtagtcncct 180  
 nagccgaatc tgnttcccg acaccctccg ctcggtcgcc tgccctggtn aagcngcnctc 240  
 ctnaaanaan aaagngaagt ctccccngtc tcncccnant cctngggaaa acngcctgaa 300  
 ccaatatgnt ccccaaggn cncccccaggg cacntaacc 60  
 gcttttggc cnnaagcccn gccccngnaa taacccnct anaaccacgn aaaaatgcaa 420  
 agtcccaaag ggtaaagaat ctcccnaccc cccggttccc tcgcaanc 60  
 ctgtgttcc gggaaaaccc ttanccgan ctttcca 518

<210> 233

<211> 698

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 509, 617, 618, 635, 641, 681, 688, 690

<223> n = A,T,C or G

<400> 233

gcacgagttt ctgtctgtct gtctctctct ctctctctgt ctctctctca 60  
 cagttagaat ttggctctgtt tctttattca ataccccaat atatgttcat tagggttata 120  
 ctgtatacac tacacataac agttttgttt tttgtttgg atattatttg ataataagaa 180  
 ttttaccaca tcattaaaaa aagtttcccc aagctataat ttttgataat tgcactctc 240  
 cactattcaa atgtttattt aactctttct ctccctggagt aggtttacat tccattttag 300  
 ctatgatact gcttaagag aaattgtttt aagataaatt tccatagaca ggtcaaagga 360  
 ggtgaatata tgtaagcttt tcgatgcctg ttactgaatc tcattctgga aaacataact 420  
 gtcataatgcc tcttttctc atggtaaaaa aatacataac aaaatttacc atcttaatcg 480  
 tttttaatgtt ttacagtacg atagtgttta ctgtatgtac cttgtgcaac agattctctg 540  
 aaaactttttt cattttcaa aatgaaaact ctgtactcat tgaacagggca gcttcccaac 600  
 ttccccattc ctcccancc ctacccctgg ttaanagtct nacaaaaccc gggaaatttta 660  
 tggaaatttga aacactttta naataccnccn tattaggg 698

<210> 234  
 <211> 773  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 289, 331, 367, 523, 545, 582, 594, 623, 652, 663, 675, 698,  
 709, 711, 722, 740, 749, 764  
 <223> n = A,T,C or G

<400> 234  
 ggccacgagcg cagctttcg aaagctgtaa tttgtttgt atcaaaaagtc ctgcagtata 60  
 ttagtctcat tgcatttaa agagttcca agtgcgttgc gatgggttgc tggttttag 120  
 tattacggtc ttatgtaatg ttcgaaaact agtgcgttgc gtgtgtcgat acggggcgga 180  
 aagatcaggc cagggaaagt actctggccg ccaaaatgtaa tgcttaaggc cgccaaacggga 240  
 ttatgtcctg gggttcgatg agggccgtaa ttaggttgag ctgggtgtang ctaacctcgc 300  
 agccatgtcg gagagagatg agagacataa natttaaag tagggggcgta ttttacgaag 360  
 ttctgancca ttcccttgc tatcggtccc ggcaaaagca actgagataa atgtgttaaa 420  
 agactcgatg atttttcga cttcagcaac gtactcagcc ttgggttctc gtagttttc 480  
 aaaggcagct atttgcgtgat attcatgaaa agttgactt ganctgcttg tcaatttctg 540  
 cagcncgggc ttcaactgtt attgaatttg tttgattaag cncaatacgt tgcnngtac 600  
 caagggttttc catgtttga ctncacctgg tcgaaccaat ttgaattatg tnttttgcc 660  
 tgnccctgttc ccccnccctt aaatccatct ctttttngaa aaccttttngng nggttgaatt 720  
 cngccgccccg gttcccaacn ttgggttca ccttggaaaaaa aaanatgggt agt 773

<210> 235  
 <211> 849  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 581, 612, 643, 647, 716, 717, 758, 775, 778, 786, 821, 825,  
 837  
 <223> n = A,T,C or G

<400> 235  
 attgggtacg ggccccctc gagcagccctc cactgcaatg ccgtgaatc aagagacttt 60  
 tcaatacgct ttatcgtga aatgtatgtg atctgaagag tcctatcttgc agcactttgc 120  
 atgacatcca acgttaatgtt ccacaacgtt cttagctgcc caacccctt atccggcaagc 180  
 tccaaagggt tgcgaaacg ttctacggcg tcatgaaaag ctgaaaaatg ctgtgtcaac 240  
 actgcaccgc tgccatctt caaaaggcgc gcccattatg tctccgcatt cgaagacgat 300  
 aacccgcgtt gaatagccctc ataatcactt ttgttagaaat caatcagagc tgcgttagga 360  
 acctttccat cccaaacata cgactgtgcg accacgtctg caaaaggcaga cgtcacat 420  
 tgcataatgc ctcttaccgt cagccgatca tcctcaactca tagcgcacgcg agaaagctct 480  
 tttccagct cgtgcacggat atccaatttca gtaatcctac gcaacgcctgt ctgaatcggt 540  
 ttcataagtt cagttttaaa gctcaaaaact tcgtctcttta nttaaaaaat tgcgtactt 600  
 aaactggcg antcttcacc attttattaa tcgtctttt gangganggc ccagcgtag 660  
 atctgcacgt ccagcggaaat cggttactccc tcccatctt cctccggta acgcanntag 720  
 tttctccgaa gccttaaaaat tagccgggaa aagggaaat atttgccttca acaanggnat 780  
 cgcggncctg gtggtaaaa ggaactgaaa taaaattaaa ncccnccttgg gggaaangcc 840  
 cgcataactg 849

<210> 236  
 <211> 310  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 21, 90, 150, 194, 234, 261, 302  
 <223> n = A,T,C or G

<400> 236  
 ggggtgggtt gcttccgaaa nccggggccc ggccaacttg ttggcttggg aatattctgg 60  
 caagaaaatt tccagggcg cgccaatttn atcaagcccg ggcggcccta aaccgaaaac 120  
 tctggcaggg tcaaccctt tcatggcgn ttgaaagctt gaagcgcccc aagttactcc 180  
 caagcttgtt gcgntgccc ttggggccgg gggaaaagtt gaaaacacccg gcgnttgg 240  
 gcccggcccg cgggcggttt nttacgccat cctggaaaaa ctttcagggg tggctgotta 300  
 cnaaaacggg 310

<210> 237  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 9, 21, 24, 38, 51, 85, 91, 107, 110, 116, 127, 140, 163,  
 164, 190, 205, 213, 222, 224, 231, 233, 241, 255, 257, 260,  
 269, 294, 295, 303, 306, 314  
 <223> n = A,T,C or G

<400> 237  
 gcacgagtn ttgttattta natnttgctt tggtaangg aagaacacaa naatgccctg 60  
 ctaaaggat tctgtttggc tgcangctgc nacggggaa aaaatcnaan tgtatnttc 120  
 acaacangat ttttagaan tcagaactat gacatgaagt canncaggcc actctacgac 180  
 tgaatttgcn gtgctgcctt cacangctcc ttnctcgctc tntnctggca ncngtgactc 240  
 ntacacgtcc tgganantan cctccctana aggaacgact ccgacacccc cccnntaccc 300  
 ctnaangttc atcng 315

<210> 238  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 10, 92, 93, 138, 242, 258, 282, 309, 329, 356, 362, 373,  
 376, 382, 389, 391, 395, 407, 418, 420, 424, 433, 445, 449,  
 459, 461, 481, 484, 498, 508, 509  
 <223> n = A,T,C or G

<400> 238  
 ngcacgagtn tttgttattt atatattgct tggtaaag gaagaacaca aaaatgccct 60  
 gctaaaggaa ttctgtttgg ttgcaggctg cnnggggaa aaaaatcaaa gtgtatttg 120

cagaaaatga tttttanaa gtcagaacta tgacatgaag tcaagcaggg cactctagga 180  
 ctgaatttgc tgtgctgcct tcataatgctc cttgctcgct cttttctggc agctgtgact 240  
 cncacaggtc atggaganta tcattcccta aaaggaacaa cnccgatatt catctttatc 300  
 cattaagtnc atctgtccca ttctatgtng tggatgctaa cttttgatca ttgatngtga 360  
 tnccatggac atntancatc anctttcana ncctnggatc tttgacnagt cttattantn 420  
 agantccaaac tantacgatg ccganttana aatgctggnt ntccaattcc tactcaaata 480  
 nccnacatga acttccanc ccccttgcnnna 510

<210> 239  
 <211> 209  
 <212> DNA  
 <213> Homo sapiens

<400> 239  
 ggtgcttttc ctttctactc gtcttcctgc ctggcaggag aagctccgc tactgggtgc 60  
 ctttctacca ctgtcgacac caccaactgc agtgagccag tggccggc tccagccaga 120  
 aacaggtagc agccatgccc gataccaaac gcccacactt aagagcctga aatgacactga 180  
 cggcacctcc gcatgctta cctactgag 209

<210> 240  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 67, 278, 281, 287, 401, 462, 483, 486, 532, 542, 547, 562,  
 563, 585, 593  
 <223> n = A,T,C or G

<400> 240  
 ggcacgaggt ttctggctgg agcctcgac actggctcac tgcaagggttgggt ggtgtcgaca 60  
 gtggtgatgg ggcaaccagt aacgggagct tctcctgcca ggcaggaaga cgagtagaaag 120  
 ggagcggcat gctggaggct ggagccttag cccctggggc tcgccttgct gtgtttgggt 180  
 gtgacgtggg acactgcagc tcggccagag tggtaaaaaaa tgcctgtg tacgctttc 240  
 tggcttgcc cgtctatctg ctccaagccca ggctgganga ngagganaag gaatcacctg 300  
 tggtacgctg gggctgcat gtggcgtgac tctgcaactc gcctcgatgtg actgatggca 360  
 gcccacggaga ctgcagctcg acaggggatg aggcttctca ntggcttggaa agctcagctg 420  
 actcccacga aatttgcggg aaactcaagg ctgtcagtga ctttcgtggc gccaagactt 480  
 aancangcgc gttgcatgca tccggccagt gtctgtgcca cgtgcctga cnccacctt 540  
 anataancac ccggAACGCG cnncgcgcag gcccgcgcga cacgnccggg cancaactt 600  
 gctggcttcc 610

<210> 241  
 <211> 474  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 67, 114, 120, 124, 137, 144, 150, 209, 279, 285, 291, 324,  
 384, 400, 407, 417, 421, 428, 438, 453, 459  
 <223> n = A,T,C or G

&lt;400&gt; 241

ggcacgaggt ttctggctgg agcctcgac actggctcac tgcagtttgt ggtgtcgaca 60  
 gtggtgaaat ggcaaccaat aacgggagct tctctgcca ggcaggaaga cgantagaan 120  
 ggancggcat gctggangct ggancctgan cccctgggc tcccttgctg tgggggtgg 180  
 tgacgtggga cactgcagct cggccagant ggtaaaaatg tcctggtgta cgctttctg 240  
 gctttggcccg tctatctgct ccaagccacg ctgaaagang agganaagga ntacacctgtg 300  
 gtacggcgggaa gcctgcatgt gggngtgact ctgcaactcg cctcgtgtga ctgatggcac 360  
 ccacggacac tgccactcta cagngaatga ggctctccn tggactngaa agctcanctt 420  
 nactccncc aagttgnncg gaactcaagg ctntactna acttcgtggc gcca 474

&lt;210&gt; 242

&lt;211&gt; 415

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 1, 8, 9, 34, 71, 141, 162, 195, 262, 309, 321, 364

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 242

ngcgggnnt tccaccagct cgtgtgcaca agtngcgcca cacaacatg cgcaaggact 60  
 gcatgtcatc natgtgcttc gccgtgggttc tgaaacagcg agtagaaatg ggcgttcggg 120  
 tcgcgaccaa attcgacgct ntggatgctc ttgcgcaaga angtcacgta cggatcgcc 180  
 ccgatggatc cgctnaagcg ccgaaaggcc ctgacttgca aaccgcgct cacagaaccg 240  
 gcaccaccgg cgcctccgc cnacaaaatg cgagcggct ccgacacacaca ctccctcaca 300  
 tccccgtcnc gcacttcggc ntggatgctc tcccccacgg ttgtcagcg caccgcggg 360  
 gcnagctgc cggcggcata cgttgcacac agcacacacg gatccgtct cgtgc 415

&lt;210&gt; 243

&lt;211&gt; 841

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 297, 511, 589, 629, 644, 650, 657, 676, 677, 688, 694, 696, 730, 738, 744, 749, 755, 827

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 243

aacgagggtg ccatgagcgc gaacaatcgc cctcattcat ctctacacta tggtaactt 60  
 cgtcttaca gcccggccaa tgaagacgaa tggctgtgc cgaggatgg agtctacta 120  
 gagcacgcgg cgctggacaa ctcatcgact tgtacgttc cggtagctt gcccattcag 180  
 ctccactgac gacagagacg gagctggcc ctgccatctc gacgcagcgg gacaaggagc 240  
 agcttcgggc gccgtatgca tcactcgaag agaaccagga gcagccggaa gcaggangcg 300  
 ctgcacggta caggcaactt cggcgcttca gggatccat cggccgatc ccgtacgtca 360  
 cttcttgcg caagaacatc caggacgtcg aattcggtcg cgaaccgaat gccatcttct 420  
 actcgctctt ccaggacccg gcaagacaca ttgtatgacat gcaatgcctt ggcgtatgtt 480  
 gtgcggcgct accttgggtgc acacgaacga nggcaaccaa cccggcccgat gtggcgctct 540  
 atgcatttcgat gttctgttcc ggtgtgcattt gccggatgtg gaccgtganc ttgtgaatc 600  
 ggctgggtgca tgaagactta cccgtctctt caagggcgaa cgcncctcan ttccgganaag 660  
 gaacaaaacc ccccccnaag aacggcattt gcaacntttt ccccccgtgc cggctttctt 720  
 ccattcgggn attctctntc tccnaaaaat cccgtcaatc ttctttcggt ttctccctgt 780

tttttatttg ccctccgc cactgggtt gtttacatc ctacaancct ttttttctc 840  
c 841

<210> 244  
<211> 761  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 243, 506, 510, 514, 532, 586, 592, 671, 687, 693, 702, 711,  
713, 732, 734, 752  
<223> n = A,T,C or G

<400> 244  
aacgagggtt cgatgagcgc gaacaatcgc ctccttcata ctctaccta tggtaactt 60  
cgctctaca gcccggccaa tgaagacgaa gtggctgctg ccgaggatgg gagtctact 120  
agagcacgcg ggcgtggaca actcatcgac ttgtacgctt ccggtagctt agccattca 180  
gtccactga cgacagagac ggagctggcc actccatct cgacgcacgc ggacaaggag 240  
cancttcggg cgccgtatgc atcaactcgaa gagaaccagg agcagccgga agcaggaggc 300  
gtgcacgggt acaggcaact tcggcgcttc agcgatcca tcggggccat cccgtacgtc 360  
accttcttgc gcaagaaaca tccaggacgt cgaattcggt cgcgaccggat atggcattt 420  
ctactcgctc ttccaggacc cggcgaagca cattgtatga actgcagtgctc ctgcgcgt 480  
ttgttgcggc gctacctggt tgcacncgan cganggaac aacccggcc angttgcgc 540  
tctatgcatt ccctgtctgt ccgggtttgc atggccggat gtggancgtg ancttgc 600  
tccgctgggt gcatgaagga cttaccgctc tcgtcaaggg cgaacgcgc atcaattccg 660  
aaaaaggaac naaaacccccc ccccaangac ggnnaatttc anctttccc ncncctgc 720  
gtcttctcc antncggct tcttttctc anaaaattcc c 761

<210> 245  
<211> 710  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 498, 505, 532, 565, 566, 580, 581, 592, 594, 601, 602, 654,  
669, 676, 690, 691, 703, 708, 709  
<223> n = A,T,C or G

<400> 245  
aacgagggtt cgatgagcgc gaacaatcgc ctccttcata ctctaccta tggtaactt 60  
cgctctaca gcccggccaa tgaagacgaa gtggctgctg ccgaggatgg gagtctact 120  
agagcacgcg ggcgtggaca actcatcgac ttgtacgctt ccggtagctt agccattca 180  
gtccactga cgacagagac ggagctggcc actccatct cgacgcacgc ggacaaggag 240  
cagttcggg cgccgtatgc atcaactcgaa gagaaccagg agcagccgga agcaggaggc 300  
gtgcacgggt acaggcaact tcggcgcttc agcgatcca tcggggccat cccgtacgtc 360  
accttcttgc gcaagaacat ccaggacgtc aaattcggtc cgcgaccgaat gccatctt 420  
actcgctctt ccaggaaccg gcgaaacaca ttgataacat catgcctgccc catgtttgtt 480  
gcggccctcc tgggtgcna cgaancgaag ggcaacaaac ccgcgcagg tngccgtct 540  
tatgcattcc ttgtctgttcc cggtnntgca tggccggan ntggaaaccg tnancttggt 600  
nnaatcggtt ggtgcattga aggaacttac cgctctcgtc aaggccgaa cgccccc 660  
agtcggana aaggancgaa aaccccccna aaggaacgg ccnttgcnn 710

<210> 246  
 <211> 704  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 85, 91, 198, 332, 375, 458, 507, 516, 538, 553, 570, 593,  
 607, 624, 634, 646, 647, 653, 659, 674, 684, 693, 704  
 <223> n = A,T,C or G

<400> 246  
 aacgagggtg cgatgagcgc gaacaatcgc cctccttcat ctctacatga tggtaactt 60  
 cgctcctaca gcccggccaa tgaanacgaa ntggctgtg ccgaggatgg gagtctact 120  
 aaagcacgcg gcgctggaca actcatcgcac ttgtacgtt ccgttagctt agccattca 180  
 gctccactga cgacaganac ggagctggcc actgccatct cgacgcacgc ggacaaggga 240  
 gcagcttcgg ggcggctatg catcaactga agagaacagg agcagccgga agcaggaggc 300  
 gtgccccgtt acaggcaactt tcggcgcttc ancggatcca tcggggccat cccgtacgtc 360  
 accttcttgc gcaanaacat ccaggacgtc gaattcggtc gcgacccgaa ttgccatctt 420  
 ctactcgctc ttccaggac cggcgaagca cattgatnaa attgcattgc ctgcgcatgt 480  
 ttgtgcgggg cttcctgggtt ccccgancga agggcnacaa ccccgccca ggggccnct 540  
 ctatgcattt ctntctgttc cggtgttgcn tggccggat ttgaaccgtt aancttgggt 600  
 aatccgnttg gtgcattaaag aacntaaccg ttcnctgtca ggggcnnacc ggncccttnc 660  
 aatttcggaa aaangaacca aaanccccccc cncccaagga aacn 704

<210> 247  
 <211> 618  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 513, 541  
 <223> n = A,T,C or G

<400> 247  
 ggccgcccagt gtgatggata tcgaattcaa cgagggtgtcg atgagcgcga acaatcgccc 60  
 tccttcatct ctacctgtat gtgaacttgc ctcctacagc cgagccaatg aagacgaagt 120  
 ggctgctgcc gaggatggga gtctacttag agcacgcggc gctggacaac tcatcgactt 180  
 gtacgcttcc gtagcttag cccattcagc tccactgtacg acagagacgg agctggccac 240  
 tgccatctcg acgcagcggg acaaggagca gttcggggcg ccgtatgtat cactcgaaga 300  
 gaaccaggaa gcagccggaa gcaggaggcg ctgcacggta caggcactt cggcgcttca 360  
 gccgatccat cggccgatc cctgtacgtca ctttcttgcg caagaacatc cagggacgtcg 420  
 aattcggtcg cgaccgaat gccatcttct actcgcttcc ccaggaccg gcaaagcac 480  
 attgatgaca tgcagtgctt ggcgtatgtt gtngccggc tacctgggtc acacgagcga 540  
 nggcaacaaa cccgcggcca ggtgcccgtc tatgcattcc tggatgttcc ggggtgtcat 600  
 gggccggatg tggaaacc 618

<210> 248  
 <211> 622  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 276, 355, 356, 382, 387, 421, 426, 462, 474, 480, 483, 486,  
 498, 506, 527, 535, 553, 559, 579, 590, 616  
 <223> n = A,T,C or G

<400> 248

gcacgagagc ggatccgtgt gtgctgtgtg caacggatgc cgccggcagc ttggcgcccg 60  
 cggtgccgct gacaaccgtg gcggagctag aaactgccga agtgcgcac gggatgtga 120  
 gggagtgtgt gtcggaggcc gtcgacttt tgttggcgg aggcgccgtt ggtgccgg 180  
 ctgtgagccg cggttgcaa gtcagggcct ttcggcgctt cagcggatcc atcggggcga 240  
 tcccgtacgt gaccttcttgc cgcaagagca tccacnacgt cgaatttggt cgcaaccga 300  
 acgcatctt ctactcgctc ttccagaacc cgccaaggca cattgacaac atgcnnntgcc 360  
 tgcgcattgtt tgcggcgac tncctgntgc acacgaccga gggtaccaac ccgcgcccagg 420  
 ntgcnnctct acgcattcct gtctgcccgg tgcgtggc cngatgtgg accntgagcn 480  
 ggngantccg ctggtgcntg aagacnttgc cgctctcgta aaggccnacc gccnntcg 540  
 gggaaaaaag gancaaanc ccccgccaa gaaccggcnc tgcaccgttn tcgcggccct 600  
 gctgggctct tctccnttac gg 622

<210> 249

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 447

<223> n = A,T,C or G

<400> 249

cattcgagct cggttaccggg gatccgattt gtaaaggggg tgcggaaacag ccagctgg 60  
 ttttcgggtgc ggccggggca gcccacatcg ctgtggtcgt tggcgtaactg gatgcgtatgt 120  
 gccgggacaa acgcgttttcc caccacgtg tcatgactgc ctgtggcgccg cagggccagc 180  
 acatcccagt tgcctcaat gcggtagtcc gccttgggca ccagaaaagt cacaatgtcc 240  
 agggcaggcg tgccatcactg cttgggcagc agaccgccta gaaacagccca gtcgcaatgc 300  
 ttggagccgg tggaaaagct ccagcgaccg ttgaacctga atccgccttc cacgggctcg 360  
 gccttgccaa taggcataata ggtcgaggcg atgcgcacgc cgttatcctt gccccacaca 420  
 tcctgctggg cctggcgccgg gaaaaancgc cagctgccaa ggggtgaacg ccgaccaccc 480  
 cttaaatcca ggccgtggac atgcagccct ttaccaa 517

<210> 250

<211> 215

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1, 2, 4, 190, 193

<223> n = A,T,C or G

<400> 250

nntncattgg gcccacgtcg catgtcccg gcccacatgg ccgcgggatt accgcttgg 60  
 accgcttgg accgcttgg accgcttgg accgcttgg accgcttgg accgcttgg accgcttgg 120  
 accgcttgg accgcttgg accgcttgg accgcttgg accgcttgg accgcttgg accgcttgg 180  
 accgcttggt acnnggggtg tctggggac tatga 215

<210> 251  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 12, 66, 111, 121, 127, 146, 153, 157, 169, 178, 180, 197,  
 206, 221, 222  
 <223> n = A,T,C or G

<400> 251  
 ngcgccacc tngtgattga tggtcgttta ctatcaagta tgtacatctt gctctagaca 60  
 actccnattc agtggaaagaa attgggaaag tatcccggat aagtaataagg nattaggct 120  
 nccttantgc ttgggtggat attccncaac tgntccngat cgatcagnc tcgtgtcngn 180  
 gaatgtgctc gatcgtnatt ctactnctga gcttctatcc nnacgtggcc t 231

<210> 252  
 <211> 389  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 9, 11, 23, 38, 50, 56, 77, 91, 143, 190, 197, 210, 211, 222,  
 233, 237, 246, 250, 265, 271, 284, 291, 293, 299, 307, 316,  
 320, 348, 355, 362, 368, 373, 378, 388  
 <223> n = A,T,C or G

<400> 252  
 atgtatcanc nctgttggtg ttncatctt tgcagtcngt tctaaggcn gataantatc 60  
 agagatgcta atgcatnttc tgccaggcca ncattggtgg cctatgcgtt ctcttcttat 120  
 cttcctgaag agtcatctt gngggatgtg ttccccctc tccacagtgt ttgcaagcgt 180  
 taccacgcn tgcggngcc gggaaaggtn ncacatccgg gnagacttcc ccncgtntga 240  
 atcgntctn gaatctccgg cgtcntccct naaccttgc actnggacaa ngncctgtnt 300  
 tccccctntgt gaactngtan ccgccccctc ttccccctc agcctaancg ggaangaaga 360  
 cngggtnat ctngggcncc acaagaant 389

<210> 253  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 8, 9, 27, 36, 63, 78, 81, 89, 92, 99, 114, 117, 126, 131,  
 147, 159, 161, 163, 184, 194, 200, 203, 208, 210, 224, 232,  
 237, 250, 251, 260, 269  
 <223> n = A,T,C or G

<400> 253  
 nggggccnna tgagcgcgcg taatacnatc actatngggc gaattgggtt cggggccccc 60  
 tcnagcggcc gcctttttttt nttttttttntt caaaacaccc tccnccntgg 120

atgganacgt nacctttctc taaccanatc ttcacaatnc nantctcagg cagccgcctc 180  
 aaanccgatg tcangttggn atntcaantn caatcttatt ttgngaatta anctganatt 240  
 gtggatggtn naccaatcan atacttggna tccgttgaac ccctgtgga 289

<210> 254

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 68, 280, 283, 284, 299, 300, 304, 342, 354, 368

<223> n = A,T,C or G

<400> 254

attgtgttgg gaacttggtag acagctatat caattgcagt gctatttctc tgaggtattg 60  
 aatctcantt attataattt taaaatccaa ttggcttggaa cttcatttattt ttccaactaa 120  
 aaagatgattt gaaggattta tttgaaatgtt gtaaagagta atatagattt tatgctttagt 180  
 ttcccttggaa aaaagttaggtt aaaattcttc tggaagtgtt actcctaaaa tacaatgaa 240  
 catgtcaaga attacataaaa ttctttaaac ttccttaan aannaatggc tctatgtann 300  
 gagngaccct tacagactat taagaattaa cttgcatggc anagactcat ttanattcat 360  
 gaaaatggntc tcactttctt ggttaagatct ggcttggacg tttttggtaa 410

<210> 255

<211> 668

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 90, 217, 220, 258, 476, 479, 538, 547, 554, 566, 579, 621, 623, 635, 650, 666

<223> n = A,T,C or G

<400> 255

ttttttttt ttttcctgtg ccaggcacta taccactgtg cttaggtgcct tctttgcatt 60  
 acttcatttc ctcataagct ttctgaggan acagaaagct tgaggttcac gtagcttagca 120  
 ttcataaaaa tttagttgcta aaaacataca atacgttttc cggcaggctg tcatttagtaa 180  
 ctgatactac tagttgataa ttcataaaac ctgcanaan ctaccattha agctgaaaca 240  
 actgtcaata tcactaanta aaacttaaat ccataaaatca actatattctt aaaaatctgac 300  
 ttcagttcaa ttaaaaaatc actagttgtt acctacctcc ttctgaaagc cagttacaagt 360  
 taaatgaaca actcccgagt ttaacaaaca agtgcacatct aaaaaaaaaa tttttttttt 420  
 aatccactta catatattta aatggcatt aataaaacaa aatttatcca ataacnaant 480  
 ggcaaaggaa ggtgtccaat tattacatgt tataaatctt taaattaaac tttcttngg 540  
 tttttcncctt ctanaataaaa tacaancctt tcccccgcna accagaaaaa agaaaaaaac 600  
 aaaacccaaa aactcccgac ncngcttaaa aaacncaaaa aaaataaaa ctctattaaa 660  
 tgcccnaa 668

<210> 256

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 3, 10, 12, 18, 32, 36, 42, 78, 81, 148, 174, 177, 204, 287,  
 299, 314, 341, 358, 365, 413, 436, 444, 468, 469, 475, 482,  
 485  
 <223> n = A,T,C or G

<400> 256  
 cgnaaccgttn ctttttnat gtgcgcgc cncagnacca gngccgtac aggcgaaggc 60  
 cggaaagcact ggagaggntt ngaaaaaaa agagtgccta caaagagcat attcgag 120  
 ttggatgg tgaagggac cagaaggngc agcggtaggg acgcgtgaaa ggangcngcg 180  
 gagaaatgac agcaagaagg gganaagcac acgaaaaggc agtatccctt tcccccttt 240  
 tcgaggactg ccgcattttt gtttctgcc cattccagtc accgaanaag atccaaana 300  
 aagaagaaaa gaancagagg tgcacttcgc ttcatatttc nctcgcttc tttctgnct 360  
 tcacnagttc tgcaggattt cccttgctt cttccgagca catctacca cgnatgaggc 420  
 tcggcaggta aagccnacaa aacnctcgca ctcctttt tcttgcnnng tctgngtgg 480  
 angnggg 487

<210> 257  
 <211> 502  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> 11, 14, 18, 24, 26, 29, 35, 59, 81, 111, 118, 121, 430, 498  
 <223> n = A,T,C or G

<400> 257  
 ccttggaaag nccngctnaa ttcnnganc cccngatca gcaccaggga gctacaacna 60  
 aggccgaaag caggggattt ngccggaaaa aaaagagtgc ttacaaagag nttatccnca 120  
 nagatggat gagtgaaggg gacgagaagg tgcagcgta gggacgcgtg aaaggaggca 180  
 gcccggaaat gacagcaaga aggggagaag cacacgaaaa ggcagtatcc tcctcccccc 240  
 tttcgagga ctgcccattt ttttttttcc gcccatttca gtcaccgaaa aagatcccaa 300  
 agaaagaaga aaagaaacag aggtgcactt cgcttcatat ttgcgtcgct ttctttctg 360  
 tcttcacaag tctgcaggat tgcccttgcc ctctccgag cacatctacg cacgtatgag 420  
 gctcggaggn caagccaaaa aaacgcttgc actcctttt ttcttgcgt gtctgtgtgt 480  
 atgttggaaattt ccgcggcncc gc 502

<210> 258  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 6, 15, 18, 27, 28, 33, 41, 324, 446, 447, 449, 483, 498,  
 506, 509  
 <223> n = A,T,C or G

<400> 258  
 actcgnact cgatncanta caagagnnta tgnattcgaa ngtgcccccg catcagcacc 60  
 agggagctac aacgaaggcc ggaaggcagg gagaaggccg gaaaaaaaaa agtgcattaca 120  
 aagagcatat ccgcagagtt gggatgatgg aaggggacga gaaggtgcag cggttagggac 180  
 gctgtggaaagg aggcaaggca gaaatgacac caagaagggg agaagcacac gaaaaggcag 240

tatcctcctc ccccccgtt gaggactgcc gcacatgggtt tttctgccca ttccagtcac 300  
 cgaaaaagat cccaaagaaa gaanaaaaaga aacagagggtg cacttcgctt catatttcgc 360  
 tcgcgttctt ttctgtcttc caagtctgca ggattgcctt tgtcctcttc cgagcacatc 420  
 tacgcacgtt tgaagctcggtt aggtcnngnc aaaaaaacgc ttgcactcctt cttttcttt 480  
 gcnagtctgt gtgcattgnngt gaaatnctna 510

<210> 259  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 3, 4, 5  
 <223> n = A,T,C or G

<400> 259  
 gannngagtc acgaaaaggc agtatacctcc tccccccctt tcgaggactg ccgcattttt 60  
 gttttctgcc cattccagtc accgaaaaag atccaaaga aagaagaaaa gaaacagagg 120  
 tgcaacttcgc ttcatatttc gtcgcttcc tttctgtct tcacaagtct gcaggattgc 180  
 cttgtcctc ttccgagcac atctacgcac gtatgaggctt cgagggtcaa gccaaaaaaaaa 240  
 cgcttgcactt ccttttttcc ttgcgtgtc tgtgtgtatg tggaaattccct tg 292

<210> 260  
 <211> 582  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 307, 313, 315, 321, 409, 420, 449, 452, 487, 492, 505, 536,  
 546, 547, 561, 564, 572  
 <223> n = A,T,C or G

<400> 260  
 gcacgaggtt ggggtgtact gtgtataata actccagatc cttgaccaag tttggagagt 60  
 cacttatggc catttggaaac caaatgaagg atcaaaggac taattatattt gaatacctct 120  
 gagtggttttcc cccaaagcttgg agaagagttt catttcgatc taaaatgctc attgtgc 180  
 tgagtgggtt ccattgtgttta taattaaaggc attgccttta ataataatattt attaccttta 240  
 gcttgcctttt ttaatttgag gaaaatccaa acaattttaa gtaaaaacgtg ataaagacag 300  
 ttttcngga gananaaggg nagatcgatc tggttattcc acttaatatc tataatcaa 360  
 atttgatca aaagcagact ctcactttaa aaatattctt ctaatggcna gaatctttt 420  
 ccttagattga gagtcagagc tcacatagna tnactgctgg taaaatagaca ctttagactat 480  
 agagctnagc tnaagttcca actanccaaac tgcatttcgtt aatatgctttt ttattnaaag 540  
 ggcagnnctt ttgcctttt nccnccctaa tnccttctat tg 582

<210> 261  
 <211> 783  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 137, 425, 445, 489, 500, 552, 554, 559, 570, 584, 587, 599,

615, 618, 626, 633, 645, 648, 649, 658, 669, 679, 684, 691,  
 698, 705, 718, 726, 727, 741, 753, 756, 765, 767, 770  
 <223> n = A,T,C or G

<400> 261

gcacgaggca aaatacagag ggtattttac catggacagg caacccattt ttccaggaca 60  
 actcttgcgc cagagagct attctcttc tttgccta cactctcaac ctcaacttc 120  
 gagtgtctgc atcctanttt tccatggcca taagataagg aaccatgagt ttactctag 180  
 atgaggctgt ttcatgtgg gagctcatcc aggatccaag gtagattcat cagaaggta 240  
 agtataggag tggaaaccca aatctctact tttatgttga ggccttcctc cctcaatttt 300  
 aaattgtaaa atcaaactta aactgggtt tctgtatggcc agttaaaaaga ctgggtatct 360  
 gattgccagt taagagatgg tcatttatgc tcaccacat tctcaagacg cagtgaggt 420  
 gacangcttg ctgggaatg ctgancgaat ccccaatgc cttcaggatt ctggaaatgg 480  
 tggctctgn ttaaactggn tgactttac aaagagccta cccgtcatgg gggactggg 540  
 aagaaaaccc anangcaagt tctggccan gttacaccc ccangntac cttaaggnt 600  
 ttttggacat acctnttncc cccctnttac tgnttcatta gggcncnnc aaccaantt 660  
 tccaagttnt ggcccttcna aaanttttt ntttccntt tccanggacc cccctggntt 720  
 cctggnnccc cttttata nccaaccttg cnngnattt ttcncnttn aaaggaaat 780  
 aat 783

<210> 262

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 10, 98, 429, 441, 553, 567, 576, 599, 601, 615, 621, 635,  
 646, 649, 655, 659, 667, 674, 688, 708, 725, 731, 733

<223> n = A,T,C or G

<400> 262

tgaaccctan tggcccgcc cccctcgagt cgacggtac gataagctt atatcgatt 60  
 cggcacgagt gtatattctg ttattatacc ccagattnaa gtgtatattc ttaggcgat 120  
 gttctggta acatcattac tacataaaat ccacttacta ttttaagtattt attctaacag 180  
 gaggtagaat agctgcctt aaaaatgtag tgatcgatg gcagttttc tgctgaatgg 240  
 aaattactga cacaattt gttttggg gacatttcc tccttgggt tgagtttcc 300  
 cattcacgga tagggcataa agcttgggtt atagttgagg ggtcaaaag gggatagga 360  
 ttggaaaat acagtgttcc agcaaaggc tgacaaggta catcttggag aggattccta 420  
 ttctgtang tggactgtt ngtcttggaa tactgtgtac tttccagaca aaggatagag 480  
 aaaaagacct tcactgggtt ggggagaaga aaaccctgt tccttagaaaa atcacaaaaa 540  
 aggcattcct tanccttat tcccgatntt actgngcat ttgcttgcgt tgactgacnc 600  
 ngattatttc ctttactgg naaaaattcc tgccncttgg gatatnaang ggggnaccng 660  
 gaaaatnggg ggcnttgggg aaggaaanaa aaaaattgg agggaccnaa ctttggaaaa 720  
 tggngtgcctt nangcattaa g 741

<210> 263

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 37, 38, 316, 318, 335, 385, 414, 420, 436, 437

<223> n = A,T,C or G

<400> 263

ggcacgagag aatgtgttca cagacactat tttatannta tctgatgtgt actgtgtctg 60  
 gtggatgtga aagccatact tcttaaatct gattgaaaa gcaaatctga ttatcacagc 120  
 cataattaaa ttggccagc cttcccttccct ccctccctcc ttcacttccct tccttccttc 180  
 cgcctcgtgc cgaattcggc acgagcctga cctcaactacc aaaaaaaaaa aaattcaaag 240  
 tgcctgaggt ttccaggcat tcttagctct atttacttac ttcccacccaaatggcctt 300  
 agaattcaaa ttctgnanaa aatggattgc catanataat ccaatgaaaa tggtcataat 360  
 ttggcattta atagaatcac agtcnacaag ggactaatag aattagtcac ttangtatcn 420  
 ttagatttgg gagacnn 437

<210> 264

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 674, 689, 698

<223> n = A,T,C or G

<400> 264

gcacgagcac cccaaaggttt taggacaaaa tggatgagt gaattcatgg cttgacagac 60  
 tgaacagaaa aatgaggctc cgtgctccat attcatgtgc atctgcccct catggac 120  
 tgctaattgg ttggccggc cacaagacaa ggaagtgcag gtttccgtt gctcacacag 180  
 tgcttcctgt ctgctgtggc aggagccggg aggaagggag cgagccaaga ggggtgctgc 240  
 ccaccggaaa cgatggcgcg aggccgcaga gctaaatggg ggcctctcca gggagtgc 300  
 ttttacggc tccatcgctg ttagtaagta tcttgcatt tcggattta aatgagggtt 360  
 ttttaaccc gcataacatc tggctttaa aatctgactt tatttcctt ttatttcgt 420  
 gcatcggttc aggcacactt agtggtggt taggtgtga agtcaggta ccaaacagca 480  
 cggccctctct ttatttcag gtcgtgtt tcattgatt tgaaggtag atggctgtgt 540  
 tcaagttctg ttagtatatt ggtgtcagaa atgaaaagat gatgtaaacc tttataactt 600  
 cttaaaggct catatcatgt cagggaaatata acctgtacga ttatggaca aatgcccattc 660  
 ctgatgatt tcancatga aatgaatna aagggnanaa gggcca 706

<210> 265

<211> 717

<212> DNA

<213> Homo sapiens

<400> 265

ggcacgagca gcattacggt ttatacacat gtccacaact cagcattgct ttcaaaatag 60  
 gaacacttta ttagtaaaaga ggaagaaaatt gcctaaacag actcagtgtc tttccatata 120  
 caatcatctg ccaagccgca ggcctaaccg ggaatccca tttcccttgc gcttgcgtc 180  
 ctccaccaac agatacaacc ctgatgcca atgtgtatg gtttgcgtt gttgtgagcc 240  
 aatgaggggca tgccttagggc caaaggctgc ctttggat gagggcaagg tcgttagactc 300  
 catcaaacaa caaatgcattt ctcctccaa atcaaatgtc caacacatgc agccttcgt 360  
 atgcccattct ccccttact cattttcatg gctggaaatc atcaggatgg gcatttgc 420  
 ataactccata caggttaatt tcctgacatg atatgagcct ttaagaagtt ataaagggtt 480  
 acatcatctt ttcatctg acaccaatata actaacagaa cttgaacaca gccatctgac 540  
 ctccagaatc aatgaaacac gcagcctgag aataaaagaga gggcgtgtt tttggtaacc 600  
 tgacttcaac acctaagcca ccactaagtg tgcctgagcc gatgcacaga aataaaagga 660  
 aaataaaggta aagccagatg ttatgcaggg taaacacaac ctcatttta 717

<210> 266  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 291, 296, 302, 308, 315, 323, 325, 335, 351  
 <223> n = A,T,C or G

<400> 266  
 ggcacgaggt tagatttaac ttccacagat gactcagcag aggataacta ctaatcagag 60  
 tacaacatca aaactgtaac cagtataatc actggattat gagcaactca aaatacgctcc 120  
 agtttccaaa gggccataaaa ctgcacatcat cagtaactatg tgcaattaac acataattta 180  
 ttatgaaaat gtggacatgc caggtaaatg agggtttt gtttgacttt ttataatact 240  
 ttaaatttta aatgcattt ctgtggatg gatgacatct tccaggtgct ntaatnctgg 300  
 gntacctnct gatanatcct ganananaaga ggtancacca gcgtctatca nacctaata 360  
 ca 362

<210> 267  
 <211> 692  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 153, 159, 160, 331, 362, 375, 393, 435, 438, 448, 450, 451,  
 460, 480, 486, 497, 509, 523, 530, 538, 539, 550, 669  
 <223> n = A,T,C or G

<400> 267  
 ggcacgaggt tagatttaac ttccacagat gactcagcag aggataacta ctaatcagag 60  
 tacaacatca aaactgtaac cagtataatc actggattat gagcaactca aaatacgctcc 120  
 agtttccaaa gggccataac tggcccttt aanactttnn gcaattaaca cataatttat 180  
 tatgaaaatg tggacatgcc aggtaaatg ggggatttag gtttgacttt tataatactt 240  
 taaatttga atgccatttc tgtggatgg atgacatctt ccaggtgctt taatttggtt 300  
 tacctcctga tagatcctga cagaaagagg nacaccacgt gtctatcaaa cctcaataaca 360  
 gngtgtgaaa cacangagag cctgcttttgc tcnacacggg gaaacacatt gttatcacaa 420  
 cacacaaaag gcaanctncc aatgggnan ncttacctgn cctctcatat tggggcaan 480  
 gaaaangggg cccccanatg gctgagtana tcccaaaaaa ccnccactan tggtcagnnt 540  
 gcttccccan acagccagat gactgaattt agcccaagct gcagtctcaa aaccagcttt 600  
 ctgacaatca gtaacaagaa catactggc tggcactg agctcaagtg ttgggtgttc 660  
 agtcaaaaanc catggatgcc aatcatctcc ca 692

<210> 268  
 <211> 605  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 21, 100, 331, 382, 403, 420, 432, 448, 461, 481, 554, 555,  
 565, 591, 594, 597, 605

<223> n = A,T,C or G

<400> 268

cggtccgaat tcggcacgag ngcacatatac agtactatgt gcaattaaca cataatttat 60  
 tatgaaaatg tggacatgcc aggttaagtaa ggggatttan gttgacttt tataatactt 120  
 taaatttcaa atgcatttc tgtggattgg atgacatctt ccaggtgctt taatttggtt 180  
 tacctcctga tagatcctga cagaaagagg tagcaccagc gtctatcaaa cctcaataca 240  
 gttgtaaaac acagagagcc tgcttgccta cacatggaga aacattgtta tcacaagaca 300  
 cagaaggcaa acttccaatc tggcatactt ncctgtccctc tcatattgg ggcaatgaga 360  
 atggggacc agatggctt antagatgcc aaagaacacc canactggc agcatgctt 420  
 cccagacgc cngaagactg aaatttantic ccagctgcag ncttaaacc 480  
 ntccgtaac cagaccatac tttttttct gatgctttc ttaacttcat ctttccaaat 540  
 taaaattcatt agtnnaaccc taaangggc ccgtttccg aaaaatttc ntntntttt 600  
 ccccn 605

<210> 269

<211> 535

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 9, 185, 205, 213, 216, 220, 237, 251, 298, 304, 307, 331,  
 352, 447, 497, 500, 529

<223> n = A,T,C or G

<400> 269

gcacgaggng caaccccaagg gtggggtctc tggatgaac ctggagaccc gagcttgcac 60  
 agttccttg gtaattttag gaggcatgaa ccacaagatt gccaagctcc ttctatcca 120  
 aacttgatatt tgtagattt catgatccag ttcatcacgg ttatggctg aatctcatgc 180  
 actanaaaaa gtaatataa aagaaaaaa tanaangatn ttcaagttag tataaanacc 240  
 ttaatctca ntcttctag ttcaaaagaga cggacaatg agatgctg gttcatanag 300  
 ctgnanatt taacttccac agatgactca ncagaggata actactaatc anagtacaac 360  
 atcaaaaactg taaccaggat aatcaactgaa ttatggccaa ctcaaaaatag ctccagttc 420  
 caaaggccca taaactgcca tatcaantac tatgtgccat taaccataa ttatattga 480  
 aatgtggac atgccangtn agtaaggga tttaggtga cttttatna tactt 535

<210> 270

<211> 803

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 677, 687, 768, 772, 786, 790, 793

<223> n = A,T,C or G

<400> 270

gcacgaggng aaccccaagg tggggtctc gggatgaacc tggagaccc agcttgcaca 60  
 gcttccttg taaattttagg aggcatggac cacaagattt ccaagctcc ttctatccaa 120  
 acttgatatt tttagattcc atgatccagt tcacacggg tgatggctg atctcatgca 180  
 ctagaaaaaa gtaatataa agaaaaaaat aaaaagatat tcaagttagt ataaagaccc 240  
 ttaatctca tctttcttagt tcaaagagac ggaacaatgaa gagatgctgg ttcatagagc 300  
 tttagattt aacttccaca gatgactcag cagaggataa ctactaatca gagtacaaca 360

tcaaaaactgt aaccagtata atcaactggat tatgagcaac tcaaaaatagc tccagttcc 420  
 aaagggccat aaactgcaca tatcagtaact atgtgcaatt aacacataat ttattatgaa 480  
 aatgtggaca tgccaggtaa gtaagggat ttaggttgac ttttataat actttaaatt 540  
 tgaaatgcca tttctgtgga ttggatgaca tcttcaggt gctttaattt ggttacctc 600  
 ctgatagatc ctgacagaaa gaggttagcac cagcgtctat caaacctcaa tacagttgta 660  
 aaacacagag agcctgntt gcctacncat ggagaacatt gttatcaca gacacagaag 720  
 ggaacttcca tctggctact tacctggctt tattttggg gcaatganaa tnggggacc 780  
 aatggntgan tanatgccaa aaa 803

<210> 271  
 <211> 836  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 623, 682, 718, 768, 781, 785, 787, 794, 804, 811, 816, 822,  
 831  
 <223> n = A,T,C or G

<400> 271  
 gcacgagggc aaccccaggg tgggtctct gggatgaacc tggagacctg agcttgcaca 60  
 gcttccttgg taaattgagg aggcattggac cacaagattt ccaagctct ttctatccaa 120  
 acttgcattt gtttagattcc atgatccagt tcattcacggt ttaggtgtga atctcatgca 180  
 cttagaaaaag gtaatataaa agaaaaaaat aaaaagatat tcaagttagt ataaagacct 240  
 ttaatctca gttttcttagt tcaaaagagac ggaacaatga gagatgtgg ttcatagagc 300  
 ttttagattt aacttccaca gatgactca gaggataa ctactaatca gagtacaaca 360  
 tcaaaaactgt aaccagtata atcaactggat tatgagcaac tcaaaaatagc tccagttcc 420  
 aaagggccat aaactgcaca tatcagtaact atgtgcaatt aacacataat ttattatgaa 480  
 aatgtggaca tgccaggtaa gtaagggat ttaggttgac ttttataat actttaaatt 540  
 tgaaatgcca tttctgtgga ttggatgaca tcttcaggt gctttaattt ggttacctc 600  
 ctgatagatc ctgacagaaa gangtagcac cagcgtctat caaacctcaa tacagttgta 660  
 aaacacagag agcctgctt gnctacacat ggagaacat tttatcaca gacacagnaa 720  
 ggcacttcc atctggata ctacctgtct ctctatttgg ggcattganat gggacaatg 780  
 ntgananatg caanacacca atngagctg nttccnacag cnatatgatt ntccat 836

<210> 272  
 <211> 203  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 19, 42, 46, 53, 62, 63, 74, 84, 89, 109, 112, 119, 120, 128,  
 133, 139, 144, 148, 176, 187, 194, 197, 201  
 <223> n = A,T,C or G

<400> 272  
 ggagaattgg gcccgtcang ggtgcattct gcatcacctg anttcnaaat ctnagtcaat 60  
 cnncgtacta atantatcaa catnatttta acctgatctc cactgctng tnatttcnn 120  
 ttcactgncc ctntcaactng aacntctntt cacacagcca ccccccatta tctggntggc 180  
 acctccncca aatnccncc naa 203

<210> 273

<211> 594  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 10, 17, 55, 80, 96, 156, 164, 171, 176, 180, 204, 211, 224,  
 242, 253, 265, 282, 284, 292, 313, 314, 319, 329, 338, 340,  
 348, 357, 359, 370, 377, 390, 396, 407, 420, 437, 439, 440,  
 456, 457, 479, 490, 520, 524, 541, 546, 557, 571, 575  
 <223> n = A,T,C or G

<400> 273  
 attcggccn ctggatncgt gtcgagcgg ccgcgcgtgt gatggatatc tgcanattc 60  
 ggcttctgga gagagttttn tttttgatgg ttgcangtac tctcgatgga gttgggtgggt 120  
 gtggttatct ctctctgggt gtcttctgt ataaantct tgcnctgact ncctanctcn 180  
 cctccccctg gtcctccct tagngtaaca nctgtaatc cctntcttct ttgctctcct 240  
 tncttctcct gancgatttc ctctntttgt ccactctcag gnanaaccct gntggtcagt 300  
 gttcatgact tcnngaagnt cgacccgcna aatagggnnc cacggatnat gttgaancng 360  
 ggaagggagn gtccaanttc tctgttccan aggctnagcc tagaganaat gatgggagan 420  
 ggtttactga gatcatngnn tcttctcgaa gatatnntt agggtggtcc cccataaangng 480  
 aatttctcan cttcaaatct tctaatacat tactgaacan ctgnccatttgc ttacgccaca 540  
 nattgnaatt ctccatntct ttttagaaac nattncaagg tcatttattt ccct 594

<210> 274  
 <211> 229  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 24, 31, 38, 49, 55, 62, 63, 75, 86, 113, 116, 122, 127, 142,  
 148, 150, 162, 171, 176, 184, 185, 190, 201, 207, 212, 215,  
 218, 227  
 <223> n = A,T,C or G

<400> 274  
 ctactcaactg tccggccatt tggncctctg natgcatnct caagcagcnc gccantatga 60  
 tnnatnatctg cacanttcag cttctngaga aaactatgtt ttaaacagtt gcntanactt 120  
 anaatanaaa tcgagtaagg tntagatnan tctctaacga tngaattatt ntacanaggg 180  
 gtannncgatn accaggagta nctaganttg ancancancc taggtcnga 229

<210> 275  
 <211> 651  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 8, 18, 25, 34, 36, 87, 139, 140, 165, 168, 187, 222, 237,  
 262, 268, 271, 286, 288, 296, 301, 315, 329, 338, 356, 359,  
 365, 368, 402, 416, 445, 490, 500, 522, 528, 538, 542, 550,  
 562, 565, 569, 577, 581, 587, 589, 597, 610, 640  
 <223> n = A,T,C or G

&lt;400&gt; 275

atatactgntg aatacggntt cctgnaaaaa ggtntnattt agatggttga gtccgactca 60  
 gogatgcgac ttgggggtg tggtcantct cttatggttg agattgttca tgatatcatg 120  
 ccctgagatg cctggactnn cctcacccga gatcttagac ggtntancc cctgagagtc 180  
 tctctcntcc tgctcccta acttcccta atgatccctc cnattgtcta ctgtccnatt 240  
 gaacccttct tgcttatgtt tncaatcnntt nacgtgtcc ctgctnattt tttganacga 300  
 ngctcataat ggacnffffa aggtatgtt gaataatntc ctgtataaccc acgccnacnt 360  
 ctacnctntg atctgacacg gtatactgtt ttgtgtgtt cncttcacca ttccannttc 420  
 taccttccgc tcataatgctc tggatgttcc accctctgtt actgcttct cagttacgtt 480  
 caacaaggtn ttcatatctn gaactcttac accattcttag angatcncc cctcgganaa 540  
 antttggaa aacaagcaag ancanaatnc ctctctngt ntacacnanc cggcttncgt 600  
 atcctcgtnn aaggaattcc ccgctttcct gggcttaan tctcctaaac t 651

&lt;210&gt; 276

&lt;211&gt; 392

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

<222> 18, 24, 27, 35, 41, 49, 55, 60, 86, 87, 92, 96, 101, 115,  
 140, 156, 157, 166, 188, 189, 197, 206, 210, 222, 254, 256,  
 264, 265, 288, 289, 293, 300, 305, 311, 312, 320, 332, 333,  
 343, 362, 366, 371, 384

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 276

accggccccc aattacgntg gccnatntaa aagncatca ngcctccang caacntatcn 60  
 ttccattacc acccacactc ctgttnnggg anggangtgg naatcctca ccatnctaat 120  
 gtagtgggtg ctctcatgcn ggtacgtata atctannctg cccctnaat cggatgcttc 180  
 ttaatcnnc agtcacnaaa ccacanggan caactgaaac angatggc taacagccaa 240  
 tggatgttcc ctcncaatc cctnnaatct ctcctacacc tggatgttcc atnaactacn 300  
 ctacnctatt nnacacacgn tttaggtt annaccaagc ccntattgag taaaatcggtt 360  
 tntatngttaaaatgccaa aagntgcgtt aa 392

&lt;210&gt; 277

&lt;211&gt; 212

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

<222> 11, 17, 22, 25, 29, 38, 57, 61, 64, 73, 80, 108, 110, 115,  
 181, 186, 189, 200

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 277

ggtttgcggg natgaanttt gnaanaatna acttagngttaa accccaccc accaatacct 60  
 nctnagtatt tgncaacctn aaaactacag ctctctccag atagactntn cctnctgtat 120  
 ttcacacttc cttggactgg tcagcctgaa gggtggtaat gactcacca cgctactaat 180  
 ncctnttna ctgtgccttn atttttcgc ct 212

&lt;210&gt; 278

<211> 269  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 2, 3, 37, 55, 60, 63, 78, 97, 101, 142, 145, 150, 170,  
 186, 189, 202, 204, 216, 243, 247, 251, 256, 262, 267  
 <223> n = A,T,C or G

<400> 278  
 nnntccatcc taataccact cactatcggg ctcgaancgg ccgccccggc acgtntcttn 60  
 tgngacagga tctgaatnaa gggtggtttg taacttnact naaaaattctg aaatgatcct 120  
 gcatcagaca gggttctccg tntanaatan agttccctg ttagttatcn agctgggca 180  
 ggggangana gattcggagga cntntgaaat gaaggnatta ttttaggatgg gtgactcatt 240  
 ccnacccnttc ncgctnacca gnccganga 269

<210> 279  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 9, 12, 19, 32, 34, 51, 52, 60, 65, 68, 72, 128, 132, 142,  
 144, 149, 174, 181, 182, 203, 208, 209, 244, 247, 254  
 <223> n = A,T,C or G

<400> 279  
 gttggtgant cngttggng tcttccttgtt gntnggtgtt tggtgtgttg nntgttgttn 60  
 gggtngtntt tntggagaga gttgttagttc gtgagggttg cagtgtactt actatggagc 120  
 ctaaggangt gngcttaactt anantgatna ctggctcat actgcccctgc cctnaatgcc 180  
 nngcttgcct caccctggtg ccnaaccnna tcgaacacct aacagtctag taggcttctt 240  
 gctntancag actnctcttg aggatc 266

<210> 280  
 <211> 317  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 8, 15, 21, 24, 36, 41, 72, 97, 112, 114, 117, 142, 151, 167,  
 176, 177, 178, 224, 231, 238, 247, 277, 285, 293, 299, 304  
 <223> n = A,T,C or G

<400> 280  
 acactgttagt gtgtntggaa ntgntgttagg catagncttt ntggcacaga gttggagccg 60  
 tgaggcatag cttgtactta ctatggagcc taaggangga gctaacttat antnatnact 120  
 ttgctcatac tggccctgctc tnaatgccta ngcttgctc accctgntgc cttacnnnat 180  
 cgaacacacta cgcggctat aggcttcttg ctctatcagg actnctcttc nagcttcntc 240  
 gcctcatttg actcactgtg ctgggtcggtt ctactgngat ccagncgctc atnaacctna 300  
 ctnggacgc aggtcat 317

<210> 281  
 <211> 174  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 2, 47, 111, 125, 140, 147, 150, 154, 159  
 <223> n = A,T,C or G

<400> 281  
 gnggtcatat tatacatcta aggcatggcc aactccacgc cattatnaat tccatcgta 60  
 tgtccgcagt cactacttat aacctagatt aatagtgcct ggcccccggac ngtctgtgca 120  
 atctnccgcc ataccaattn cgatccncan accncgatna cactcctcct tact 174

<210> 282  
 <211> 169  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 73, 108, 113, 115, 146, 161  
 <223> n = A,T,C or G

<400> 282  
 atcgcagctt gtacgatcg catataacgc gcatgtgcgg atcgcttcag cgccgccccga 60  
 ctgtcagaag gangagatct tttttatcac ttgtttgtt gactatanat aanancgact 120  
 acagcattga tgtgtgtcct caaganttgt ctgggtctga naaagctga 169

<210> 283  
 <211> 157  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 3, 5, 36, 50, 67, 80, 87, 130, 133, 139, 145  
 <223> n = A,T,C or G

<400> 283  
 ggntntctaa gatgcagtt gtacgatcg catatnacgc gcatgtgcgn atcgcttcac 60  
 gtcgcncnggc tgtccaggan atgcatntca acataatgtg cactctatata ggttattgat 120  
 taatacgagn tangagcana tatcngatac aacacaa 157

<210> 284  
 <211> 133  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 3, 11, 21, 36, 37, 92, 102, 122  
 <223> n = A,T,C or G

&lt;400&gt; 284

ggngtggtgt nagatacgca ngctggacg aatcgntca tagtacggcg catgtgttga 60  
 tcaattctga aaatccatcc cggcgcgctc ancatgcact anagggcaat cgctatatg 120  
 antcgatata caa 133

&lt;210&gt; 285

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

<222> 1, 3, 6, 26, 31, 35, 38, 55, 57, 62, 68, 77, 79, 104, 107,  
 119, 120, 124, 129, 130, 136, 146, 149, 156, 161, 165, 172,  
 179, 191

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 285

ntntgngtga tgatacccaa gctggntacc nactngantc caattaccgg ctcantntgc 60  
 tngaaacngc ttgcgatngnc tcctggcatg tactgaaac aggnanata tctaataagnn 120  
 tacngtgnnn tttcnatca tacagntnt atattnact ncctnccatt cttttctant 180  
 ctctctctcc ntat 194

&lt;210&gt; 286

&lt;211&gt; 134

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 6, 7, 29, 41, 66, 73, 86, 93, 108, 128

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 286

gagggnntat gataccaagc tggtagcanc ccgtcactat nacggccag tggatgc 60  
 cgctanctgg tcncgcgtg tctacncaca cgngaaactgc ctctcgcnna gatctcctct 120  
 cctctccnaa gaga 134

&lt;210&gt; 287

&lt;211&gt; 119

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 2, 26, 78, 83, 101

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 287

tnggtatata ccagttgtac actggncata tacgcgcatt atgatcggtt cacgcccgg 60  
 gtacggcattc attacganat ggnctcattc gtttacctt ntcgctggac acaagcg 119

&lt;210&gt; 288

<211> 170  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 4, 13, 39, 44, 107, 122, 158, 162  
 <223> n = A,T,C or G

<400> 288  
 gggntgagat acncaagttg gtacgagtcg gatcatatna cggncgccat tttctggaat 60  
 ccgcttacgt ggtcccgccg aagtacttt tcatgccttg caaaatngcg ttactgcact 120  
 ancttgctta acctatgagt ggggtcttc ataccccntc tntcatgaa 170

<210> 289  
 <211> 126  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 19, 24, 46, 74, 84, 86, 109, 121  
 <223> n = A,T,C or G

<400> 289  
 ggccaattgg ggcctctana tgcntgctcg aacgggcgcc aatttnatgg atatctccaa 60  
 aattcggctt accntggtcg cggncnaagt acttaactca atccatctnt cactcaggat 120  
 naatgc 126

<210> 290  
 <211> 126  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 19, 24, 46, 74, 84, 86, 109, 121  
 <223> n = A,T,C or G

<400> 290  
 ggccaattgg ggcctctana tgcntgctcg aacgggcgcc aatttnatgg atatctccaa 60  
 aattcggctt accntggtcg cggncnaagt acttaactca atccatctnt cactcaggat 120  
 naatgc 126

<210> 291  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 291  
 cacatgtgca tccaggggag tcagttc

<210> 292  
 <211> 34  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 292  
 cgttagaatt catcaattcc tccgaagctc aaac

34

<210> 293  
 <211> 702  
 <212> DNA  
 <213> Homo sapiens

<400> 293  
 atgcagcattc accaccatca ccaccacatg tgcatccagg ggagtcagtt caacgtcgag 60  
 gtcggcagaa gtgacaagct ttccctgcct ggctttgaga acctcacagc aggatataac 120  
 aaatttctca ggcccaattt tgggtggagaa cccgtacaga tagcgtcgtac tctggacatt 180  
 gcaagtatct ctagcatttc agagagtaac atggactaca cagccaccat atacctccga 240  
 cagcgctgga tggaccagcg gctgggttt gaaggcaaca agagcttcac tctggatgcc 300  
 cgcctcgtgg agttcctctg ggtgccagat acttacattt tggagtccaa gaagtcccttc 360  
 ctccatgaag tcactgtggg aaacaggctc atccgcctct tctccaatgg cacggtcctg 420  
 tatgccctca gaatcacgac aactgttgca tgtaacatgg atctgtctaa ataccccatg 480  
 gacacacaga catgcaagtt gcagctggaa agctggggct atgatggaaa tgatgtggag 540  
 ttcacacggc tgagagggaa cgactctgtg cgtgactgg aacacacgtcg gcttgctcag 600  
 tacaccatag agcggatttt caccttagtc accagatcgc agcaggagac aggaaattac 660  
 actagattgg tcttacagtt tgagttcgg aggaattgtat ga 702

<210> 294  
 <211> 232  
 <212> PRT  
 <213> Homo sapiens

<400> 294  
 Met Gln His His His His His His Met Cys Ile Gln Gly Ser Gln  
 1 5 10 15  
 Phe Asn Val Glu Val Gly Arg Ser Asp Lys Leu Ser Leu Pro Gly Phe  
 20 25 30  
 Glu Asn Leu Thr Ala Gly Tyr Asn Lys Phe Leu Arg Pro Asn Phe Gly  
 35 40 45  
 Gly Glu Pro Val Gln Ile Ala Leu Thr Leu Asp Ile Ala Ser Ile Ser  
 50 55 60  
 Ser Ile Ser Glu Ser Asn Met Asp Tyr Thr Ala Thr Ile Tyr Leu Arg  
 65 70 75 80  
 Gln Arg Trp Met Asp Gln Arg Leu Val Phe Glu Gly Asn Lys Ser Phe  
 85 90 95  
 Thr Leu Asp Ala Arg Leu Val Glu Phe Leu Trp Val Pro Asp Thr Tyr  
 100 105 110  
 Ile Val Glu Ser Lys Lys Ser Phe Leu His Glu Val Thr Val Gly Asn  
 115 120 125  
 Arg Leu Ile Arg Leu Phe Ser Asn Gly Thr Val Leu Tyr Ala Leu Arg

130	135	140	
Ile Thr Thr Val Ala Cys Asn Met Asp Leu Ser Lys Tyr Pro Met			
145	150	155	160
Asp Thr Gln Thr Cys Lys Leu Gln Leu Glu Ser Trp Gly Tyr Asp Gly			
165	170	175	
Asn Asp Val Glu Phe Thr Trp Leu Arg Gly Asn Asp Ser Val Arg Gly			
180	185	190	
Leu Glu His Leu Arg Leu Ala Gln Tyr Thr Ile Glu Arg Tyr Phe Thr			
195	200	205	
Leu Val Thr Arg Ser Gln Gln Glu Thr Gly Asn Tyr Thr Arg Leu Val			
210	215	220	
Leu Gln Phe Glu Leu Arg Arg Asn			
225	230		

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<210> 295
<211> 204
<212> PRT
<213> Homo sapiens

<400> 295
Met Val Cys Gly Gly Phe Ala Cys Ser Lys Asn Cys Leu Cys Ala Leu
 1           5           10           15
Asn Leu Leu Tyr Thr Leu Val Ser Leu Leu Leu Ile Gly Ile Ala Ala
 20           25           30
Trp Gly Ile Gly Phe Gly Leu Ile Ser Ser Leu Arg Val Val Gly Val
 35           40           45
Val Ile Ala Val Gly Ile Phe Leu Phe Leu Ile Ala Leu Val Gly Leu
 50           55           60
Ile Gly Ala Val Lys His His Gln Val Leu Leu Phe Phe Tyr Met Ile
 65           70           75           80
Ile Leu Leu Leu Val Phe Ile Val Gln Phe Ser Val Ser Cys Ala Cys
 85           90           95
Leu Ala Leu Asn Gln Glu Gln Gln Gly Gln Leu Leu Glu Val Gly Trp
100          105          110
Asn Asn Thr Ala Ser Ala Arg Asn Asp Ile Gln Arg Asn Leu Asn Cys
115          120          125
Cys Gly Phe Arg Ser Val Asn Pro Asn Asp Thr Cys Leu Ala Ser Cys
130          135          140
Val Lys Ser Asp His Ser Cys Ser Pro Cys Ala Pro Ile Ile Gly Glu
145          150          155          160
Tyr Ala Gly Glu Val Leu Arg Phe Val Gly Gly Ile Gly Leu Phe Phe
165          170          175
Ser Phe Thr Glu Ile Leu Gly Val Trp Leu Thr Tyr Arg Tyr Arg Asn
180          185          190
Gln Lys Asp Pro Arg Ala Asn Pro Ser Ala Phe Leu
195          200

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<210> 296  
<211> 615  
<212> DNA  
<213> *Homo sapiens*

<400> 296

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tccagtcctcc	gagtggtcgg	cgtggtcatt	gcagtgggca	tcttcttggtt	cctgattgct	180
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attctgttac	tttgttatttt	tgttcagttt	tctgtatctt	gcgcctgttt	agccctgaac	300
caggagcaac	agggtcagct	tctggaggtt	ggtttggaaaca	atacggcaag	tgctcgaaat	360
gacatccaga	gaaatctaaa	ctgctgtggg	ttccgaagtg	ttaacccaaa	tgacacctgt	420
ctggctagct	gtgttaaaag	tgaccactcg	tgctcgccat	gtgctccaat	cataggagaa	480
tatgctggag	aggttttgag	atttgggttgg	ggcattggcc	tgttcttcag	ttttacagag	540
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<211> 1831

<212> DNA

<213> Homo sapiens

<400> 297

<210> 298

<211> 25

<212> DNA

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<223> PCR primer

<400> 298

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25

<210> 299

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 299

ccgaagaattt catcaaaatc tcaaaaacctc tcc

33

<210> 300

<211> 258

<212> DNA

<213> Homo sapiens

<400> 300

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 aatctaaact gctgtgggtt ccgaagtgtt aaccctaaatgc acacctgtct ggctagctgt 180  
 gttaaaatgtt accactcggtt ctcggcatgtt gctccatca taggagaata tgctggagag 240  
 gttttgagat tttgtatgtt 258

<210> 301

<211> 84

<212> PRT

<213> Homo sapiens

<400> 301

Met Gln His His His His His Cys Ala Cys Leu Ala Leu Asn

1 5 10 15

Gln Glu Gln Gln Gly Gln Leu Leu Glu Val Gly Trp Asn Asn Thr Ala

20 25 30

Ser Ala Arg Asn Asp Ile Gln Arg Asn Leu Asn Cys Cys Gly Phe Arg

35 40 45

Ser Val Asn Pro Asn Asp Thr Cys Leu Ala Ser Cys Val Lys Ser Asp

50 55 60

His Ser Cys Ser Pro Cys Ala Pro Ile Ile Gly Glu Tyr Ala Gly Glu

65 70 75 80

Val Leu Arg Phe

<210> 302

<211> 1598

<212> DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 302

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 ataaaataac ttagaaatttgg gaaaagacgg gcatgtgtat gatcatgata ttcatccct 180  
 gccccagaac aaatggggagg aacacattgc cccaaactca cgtctggagc tctttcaaca 240  
 tgtctccctg atgaccctgg acagcatcat gaagtgcc ttccagccacc agggcagcat 300  
 ccagttggac agtaccctgg actcatacct gaaagcagtg ttcaaccta gcaaatactc 360  
 caaccagcgc atgaacaatt ttctacatca caacgacctg gtttcaaatt tcagctctca 420  
 aggccaaatc ttttctaaat ttaaccaaga acttcatcag ttccacagaga aagtaatcca 480  
 ggacccgaaag gagtcttta aggataagct aaaacaagat actactcaga aaaggcgctg 540  
 ggatttctg gacatacttt tgagtgc当地 aagcggaaac accaaagatt tctctgaagc 600  
 agatctccag gctgaagtga aaacgttcat gtttgc当地 catgacacca catccagtgc 660  
 tatctctgg atccttact gtttgc当地 gtaccctgat catcagcaga gatgccgaga 720  
 tggaaatcagg gaactcttag gggatgggtc ttcttattacc ttggaaacacc tgagccagat 780  
 gccttacacc acgatgtgca tcaaggaatg cctccgcctc tacgcacccg tagtaaacat 840  
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 ggtcttaac cccttgc当地 tctccaggaa aaattctgaa aaaatacatc cctatgcctt 1020  
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 tataacttag gataacttctg actggttttt acatccatta acagtaatthtaaatttcttt 1380  
 gctgtatctg gtgaaaccca caaaaacacc tgaaaaactt caagctgact tccactgc当地 1440  
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 ctcagttatc ttccccc当地 ataaaaataa tctggcc 1598

&lt;210&gt; 303

&lt;211&gt; 963

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 303

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 atgaacaatt ttctacatca caacgacctg gtttcaaatt tcagctctca aggccaaatc 180  
 ttttctaaat ttaaccaaga acttcatcag ttccacagaga aagtaatcca ggacccgaaag 240  
 gagtcttta aggataagct aaaacaagat actactcaga aaaggcgctg ggatttctg 300  
 gacatacttt tgagtgc当地 aagcggaaac accaaagatt tctctgaagc agatctccag 360  
 gctgaagtga aaacgttcat gtttgc当地 catgacacca catccagtgc tatctctgg 420  
 atccttact gtttgc当地 gtaccctgat catcagcaga gatgccgaga tgaaatcagg 480  
 gaactcttag gggatgggtc ttcttattacc ttggaaacacc tgagccagat gccttacacc 540  
 acgatgtgca tcaaggaatg cctccgcctc tacgcacccg tagtaaacat atcccggtt 600  
 ctcgacaaac ccatcacctt tccagatgga cgctccttac ctgcaggaat aactgtgtt 660  
 atcaatattt gggcttca ccacaacccc tatttctggg aagaccctca ggtcttaac 720  
 cccttgc当地 tctccaggaa aaattctgaa aaaatacatc cctatgcctt cataccattt 780  
 tcagctggat taaggaactg cattggc当地 catttgcc当地 taatttgatg taaagtggca 840  
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 <212> DNA  
 <213> Homo sapiens

<400> 304

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 cagtaaaggaa gtttgagggtg tatacataaagc tgatggaaaaa atacccatgt gctgttccct 360  
 tgtgggttgg accctttacg atgttcttca gtgtccatga cccagactat gccaagattc 420  
 tcctgaaaag acaagatccc aaaagtgcgtt ttagccacaa aatccttcaa tcctgggttg 480  
 gtcgaggact tgtgaccctg gatggttcta aatgaaaaaa gcaccgcag attgtgaaac 540  
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 aaaaagtttgc taaattttaa gtcctttcgta ataagaattt atgagacaat ttcttacca 1680  
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 tgctgtatct ggtgaaaccc aaaaaaacac ctgaaaaaac tcaagctgac ttccactgcg 1860  
 aaggggaaattt atgggttgt gtaactagtg gtagagtgcc tttcaagcat agtttgcata 1920  
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 <211> 1518  
 <212> DNA  
 <213> Homo sapiens

<400> 305

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 agagccctgc acctgtttcc tgcacccctt gcccactggt tctatggcca caaggagttt 180  
 taccctgtttaa aggagtttgc ggtgtatcat aagctgatgg aaaaataccctt atgtgttgc 240  
 ccctgtggg ttggaccctt tacgtgttc ttccatgtcc atgacccaga ctatgccaag 300  
 attctcctgaa aaagacaaga tcccaaaaatgt gctgttagcc aaaaaatccctt tgaatcctgg 360

gttggtcgag gacttgcac cctggatgg tctaaatgaa aaaagcaccg ccagattgtg 420  
 aaacctggct tcaacatcg cattctgaaa atattcatca ccatgatgtc tgagagtgtt 480  
 cggatgatgc tgaacaatg ggaggaacgc attgcccggc actcacgtct ggagctctt 540  
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 agcatccagt tggacagttac cctggactca tacctgaaag cagtgttcaa ccttagcaaa 660  
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 aacatatccc gtttactcga caaaccatc accttccag atggacgctc cttacctgca 1200  
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 gagtgtaaag tggcagtggc attaactctg ctccgcttca agctggctcc agaccactca 1440  
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 gcaaaaaaaag ttgtctaa 1518

&lt;210&gt; 306

&lt;211&gt; 320

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 306

Met	Thr	Leu	Asp	Ser	Ile	Met	Lys	Cys	Ala	Phe	Ser	His	Gln	Gly	Ser
					5				10				15		

Ile	Gln	Leu	Asp	Ser	Thr	Leu	Asp	Ser	Tyr	Leu	Lys	Ala	Val	Phe	Asn
					20			25				30			

Leu	Ser	Lys	Ile	Ser	Asn	Gln	Arg	Met	Asn	Asn	Phe	Leu	His	His	Asn
					35			40			45				

Asp	Leu	Val	Phe	Lys	Phe	Ser	Ser	Gln	Gly	Gln	Ile	Phe	Ser	Lys	Phe
					50			55			60				

Asn	Gln	Glu	Leu	His	Gln	Phe	Thr	Glu	Lys	Val	Ile	Gln	Asp	Arg	Lys
					65			70		75			80		

Glu	Ser	Leu	Lys	Asp	Lys	Leu	Lys	Gln	Asp	Thr	Thr	Gln	Lys	Arg	Arg
					85			90			95				

Trp	Asp	Phe	Leu	Asp	Ile	Leu	Ser	Ala	Lys	Ser	Glu	Asn	Thr	Lys
					100			105			110			

Asp	Phe	Ser	Glu	Ala	Asp	Leu	Gln	Ala	Glu	Val	Lys	Thr	Phe	Met	Phe
					115			120			125				

Ala	Gly	His	Asp	Thr	Thr	Ser	Ser	Ala	Ile	Ser	Trp	Ile	Leu	Tyr	Cys
					130			135			140				

Leu Ala Lys Tyr Pro Glu His Gln Gln Arg Cys Arg Asp Glu Ile Arg  
 145 150 155 160

Glu Leu Leu Gly Asp Gly Ser Ser Ile Thr Trp Glu His Leu Ser Gln  
 165 170 175

Met Pro Tyr Thr Thr Met Cys Ile Lys Glu Cys Leu Arg Leu Tyr Ala  
 180 185 190

Pro Val Val Asn Ile Ser Arg Leu Leu Asp Lys Pro Ile Thr Phe Pro  
 195 200 205

Asp Gly Arg Ser Leu Pro Ala Gly Ile Thr Val Phe Ile Asn Ile Trp  
 210 215 220

Ala Leu His His Asn Pro Tyr Phe Trp Glu Asp Pro Gln Val Phe Asn  
 225 230 235 240

Pro Leu Arg Phe Ser Arg Glu Asn Ser Glu Lys Ile His Pro Tyr Ala  
 245 250 255

Phe Ile Pro Phe Ser Ala Gly Leu Arg Asn Cys Ile Gly Gln His Phe  
 260 265 270

Ala Ile Ile Glu Cys Lys Val Ala Val Ala Leu Thr Leu Leu Arg Phe  
 275 280 285

Lys Leu Ala Pro Asp His Ser Arg Pro Pro Gln Pro Val Arg Gln Val  
 290 295 300

Val Leu Lys Ser Lys Asn Gly Ile His Val Phe Ala Lys Lys Val Cys  
 305 310 315 320

<210> 307

<211> 505

<212> PRT

<213> Homo sapiens

<400> 307

Met Glu Pro Ser Trp Leu Gln Glu Leu Met Ala His Pro Phe Leu Leu  
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Leu Ile Leu Leu Cys Met Ser Leu Leu Leu Phe Gln Val Ile Arg Leu  
 20 25 30

Tyr Gln Arg Arg Arg Trp Met Ile Arg Ala Leu His Leu Phe Pro Ala  
 35 40 45

Pro Pro Ala His Trp Phe Tyr Gly His Lys Glu Phe Tyr Pro Val Lys  
 50 55 60

Glu Phe Glu Val Tyr His Lys Leu Met Glu Lys Tyr Pro Cys Ala Val  
 65 70 75 80

Pro Leu Trp Val Gly Pro Phe Thr Met Phe Phe Ser Val His Asp Pro  
 85 90 95

Asp Tyr Ala Lys Ile Leu Leu Lys Arg Gln Asp Pro Lys Ser Ala Val  
 100 105 110

Ser His Lys Ile Leu Glu Ser Trp Val Gly Arg Gly Leu Val Thr Leu  
 115 120 125

Asp Gly Ser Lys Trp Lys Lys His Arg Gln Ile Val Lys Pro Gly Phe  
 130 135 140

Asn Ile Ser Ile Leu Lys Ile Phe Ile Thr Met Met Ser Glu Ser Val  
 145 150 155 160

Arg Met Met Leu Asn Lys Trp Glu Glu Arg Ile Ala Gln Asn Ser Arg  
 165 170 175

Leu Glu Leu Phe Gln His Val Ser Leu Met Thr Leu Asp Ser Ile Met  
 180 185 190

Lys Cys Ala Phe Ser His Gln Gly Ser Ile Gln Leu Asp Ser Thr Leu  
 195 200 205

Asp Ser Tyr Leu Lys Ala Val Phe Asn Leu Ser Lys Ile Ser Asn Gln  
 210 215 220

Arg Met Asn Asn Phe Leu His His Asn Asp Leu Val Phe Lys Phe Ser  
 225 230 235 240

Ser Gln Gly Gln Ile Phe Ser Lys Phe Asn Gln Glu Leu His Gln Phe  
 245 250 255

Thr Glu Lys Val Ile Gln Asp Arg Lys Glu Ser Leu Lys Asp Lys Leu  
 260 265 270

Lys Gln Asp Thr Thr Gln Lys Arg Arg Trp Asp Phe Leu Asp Ile Leu  
 275 280 285

Leu Ser Ala Lys Ser Glu Asn Thr Lys Asp Phe Ser Glu Ala Asp Leu  
 290 295 300

Gln Ala Glu Val Lys Thr Phe Met Phe Ala Gly His Asp Thr Thr Ser  
 305 310 315 320

Ser Ala Ile Ser Trp Ile Leu Tyr Cys Leu Ala Lys Tyr Pro Glu His  
 325 330 335

Gln Gln Arg Cys Arg Asp Glu Ile Arg Glu Leu Leu Gly Asp Gly Ser  
 340 345 350

Ser Ile Thr Trp Glu His Leu Ser Gln Met Pro Tyr Thr Thr Met Cys  
 355 360 365

Ile Lys Glu Cys Leu Arg Leu Tyr Ala Pro Val Val Asn Ile Ser Arg  
370 375 380

Leu Leu Asp Lys Pro Ile Thr Phe Pro Asp Gly Arg Ser Leu Pro Ala  
385 390 395 400

Gly Ile Thr Val Phe Ile Asn Ile Trp Ala Leu His His Asn Pro Tyr  
405 410 415

Phe Trp Glu Asp Pro Gln Val Phe Asn Pro Leu Arg Phe Ser Arg Glu  
420 425 430

Asn Ser Glu Lys Ile His Pro Tyr Ala Phe Ile Pro Phe Ser Ala Gly  
435 440 445

Leu Arg Asn Cys Ile Gly Gln His Phe Ala Ile Ile Glu Cys Lys Val  
450 455 460

Ala Val Ala Leu Thr Leu Leu Arg Phe Lys Leu Ala Pro Asp His Ser  
465 470 475 480

Arg Pro Pro Gln Pro Val Arg Gln Val Val Leu Lys Ser Lys Asn Gly  
485 490 495

Ile His Val Phe Ala Lys Lys Val Cys  
500 505